

FIG. 1



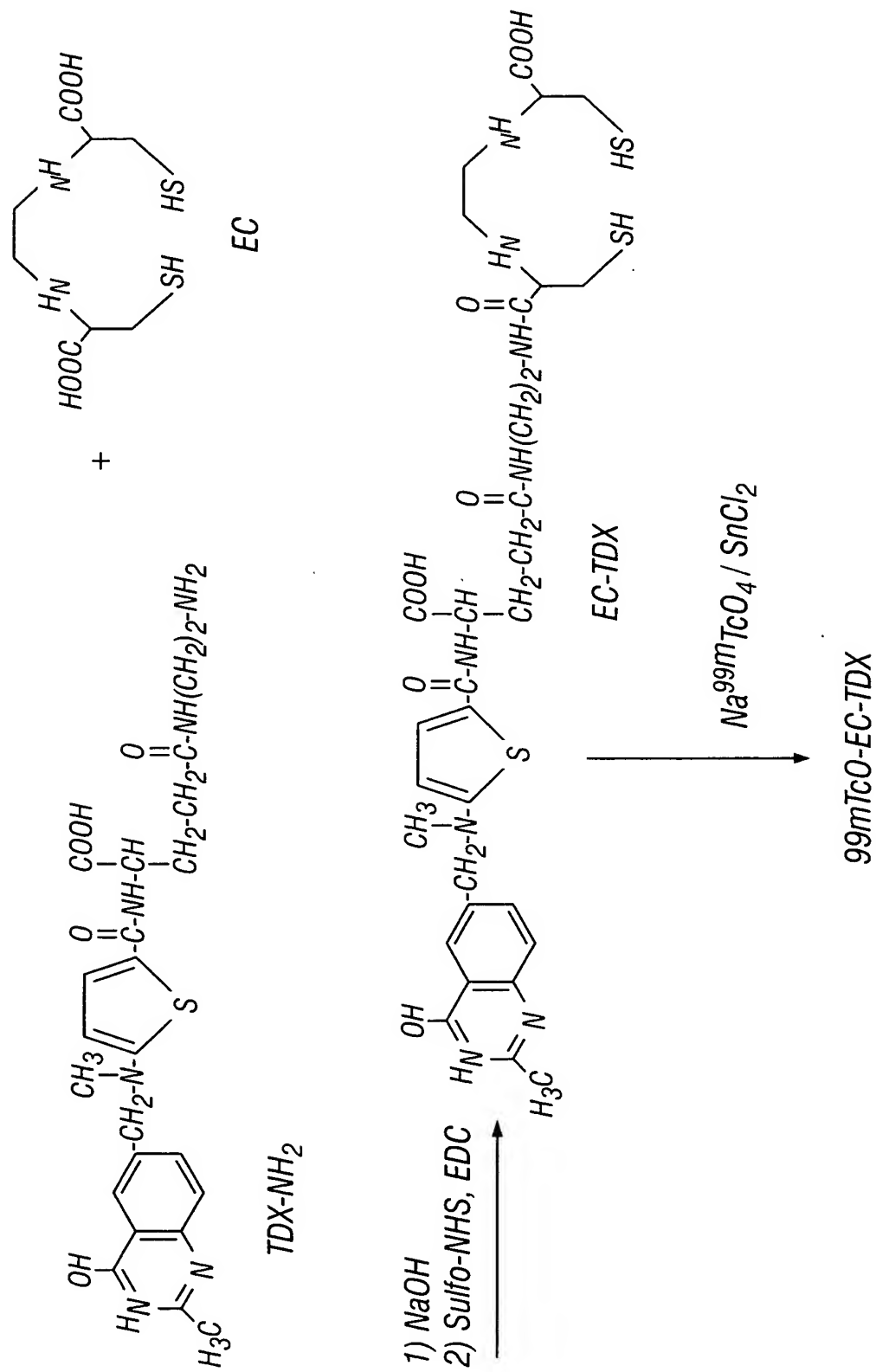


FIG. 3

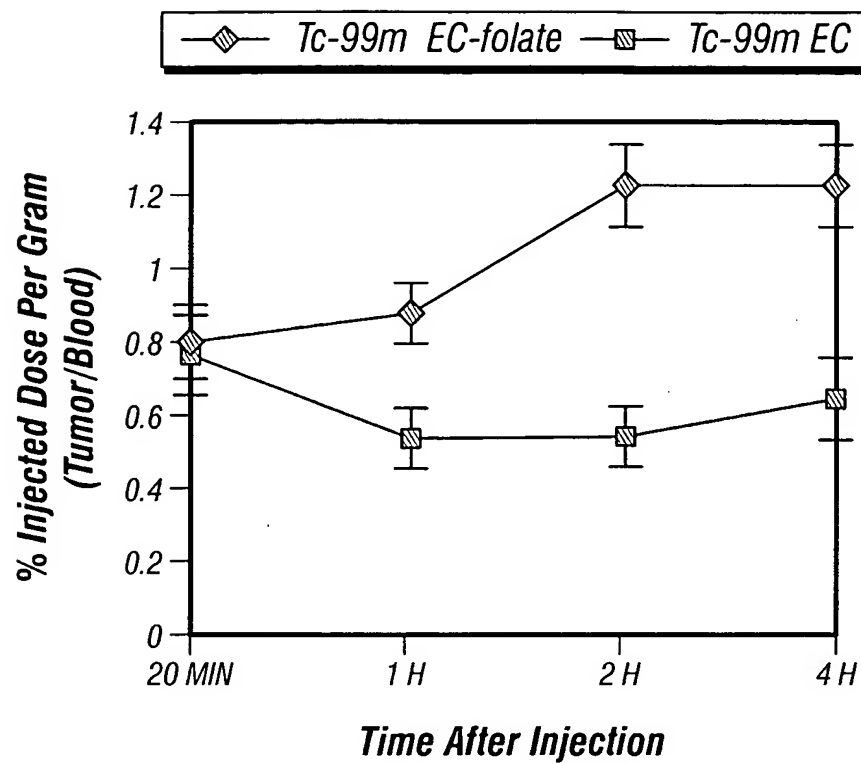


FIG. 4

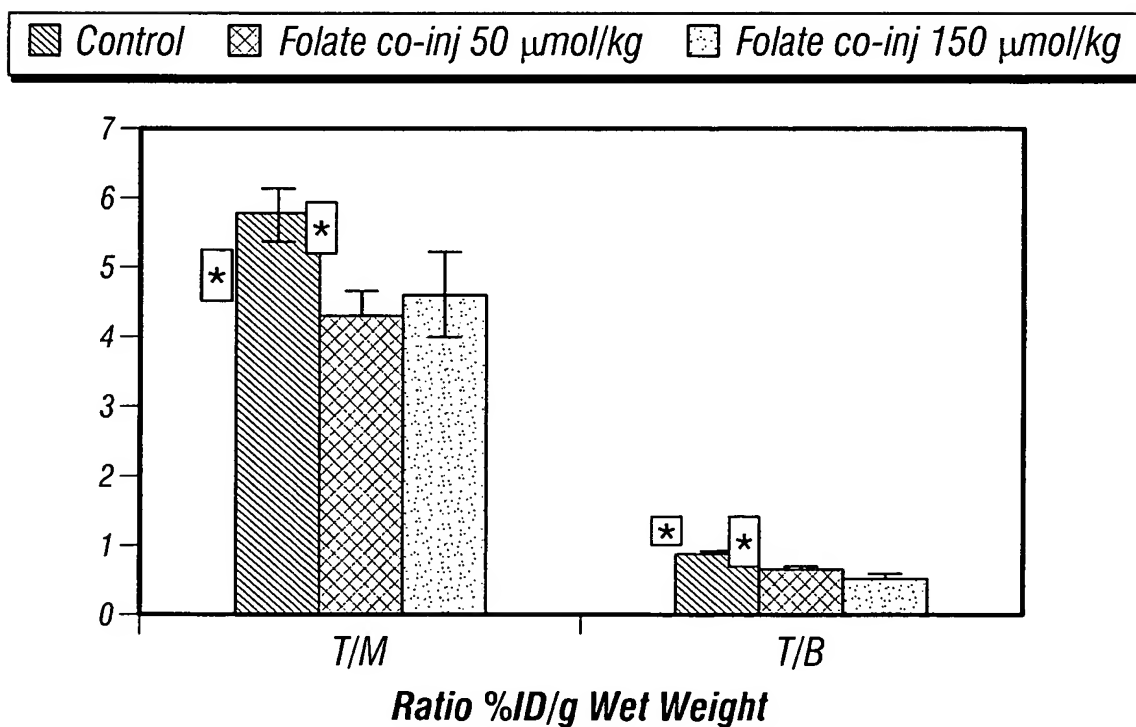


FIG. 5

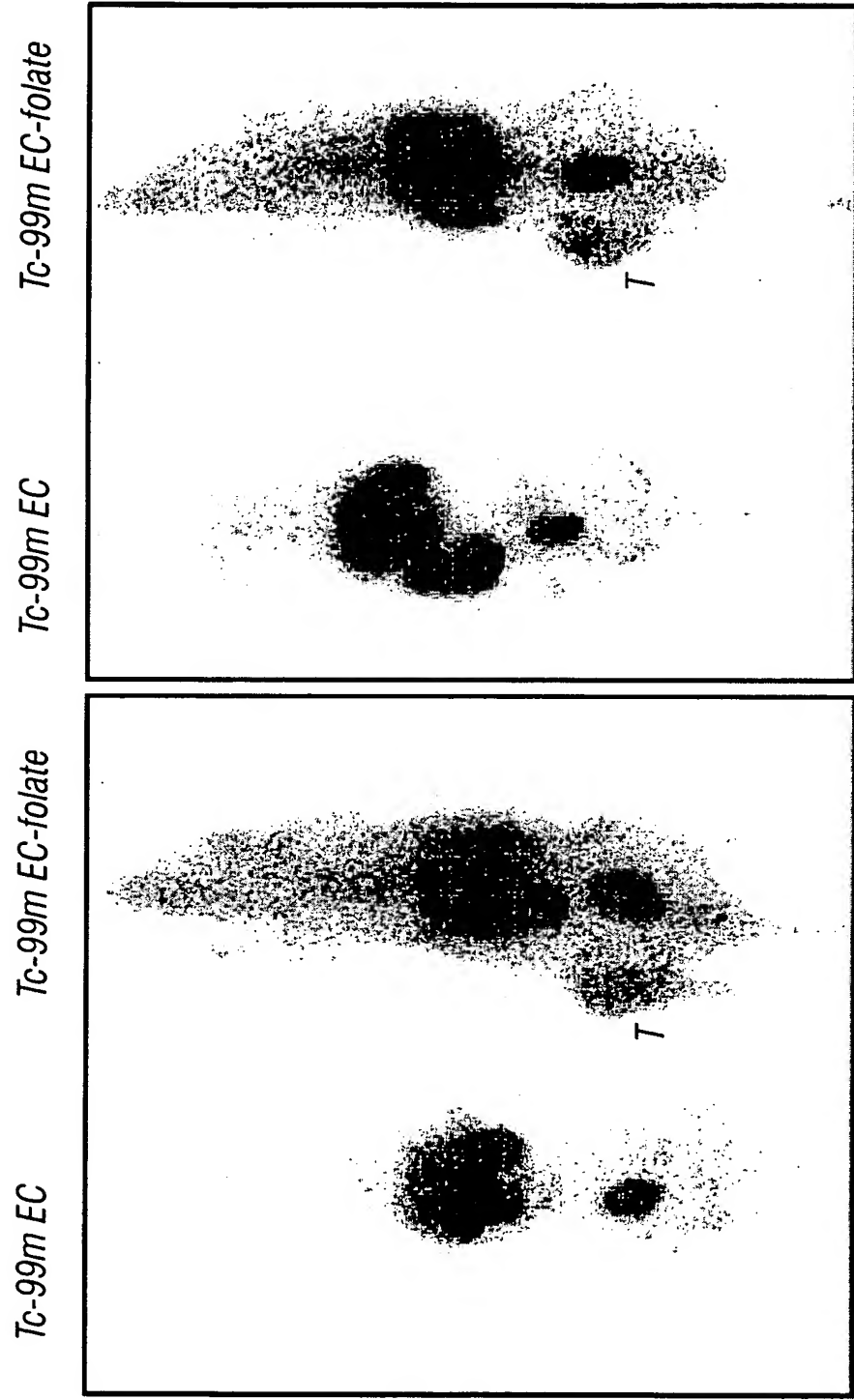


FIG. 6B

FIG. 6A

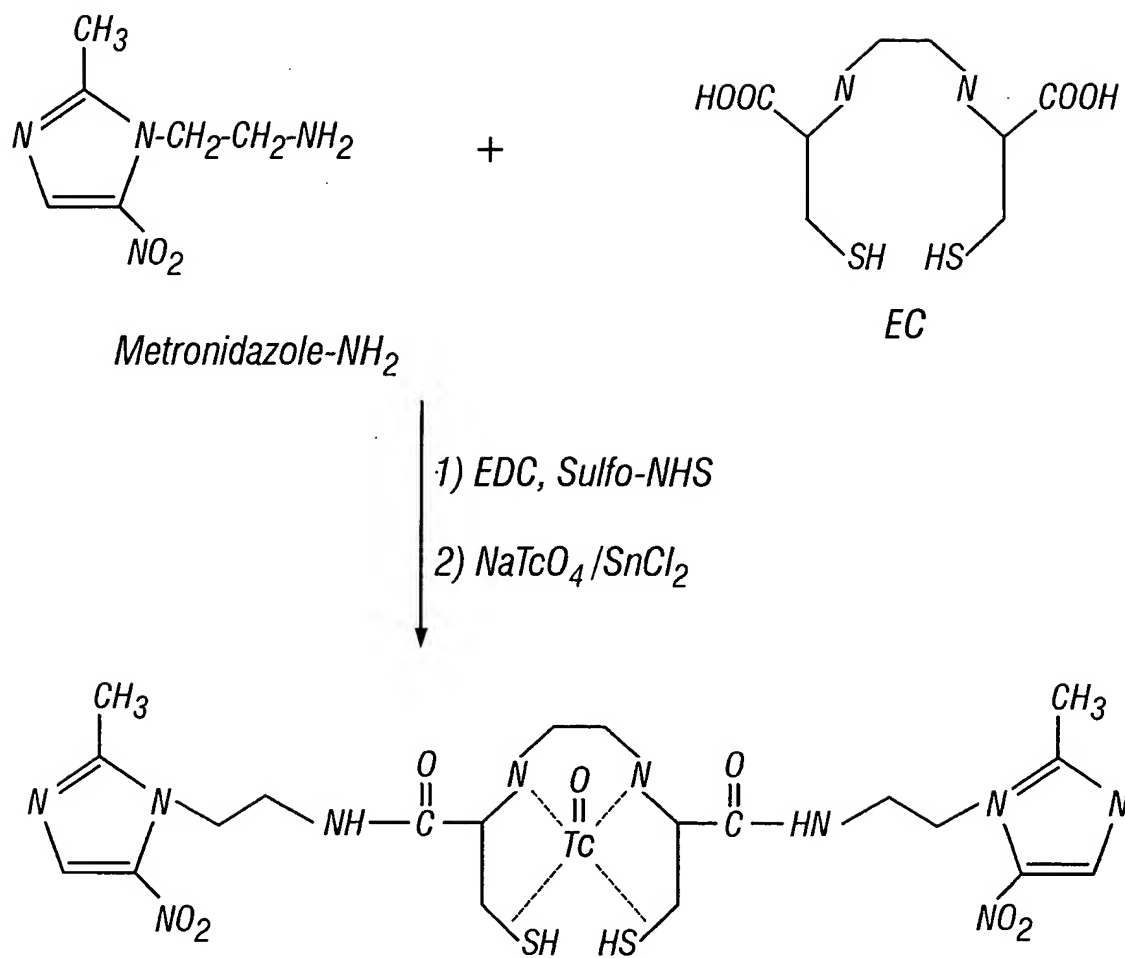


FIG. 7

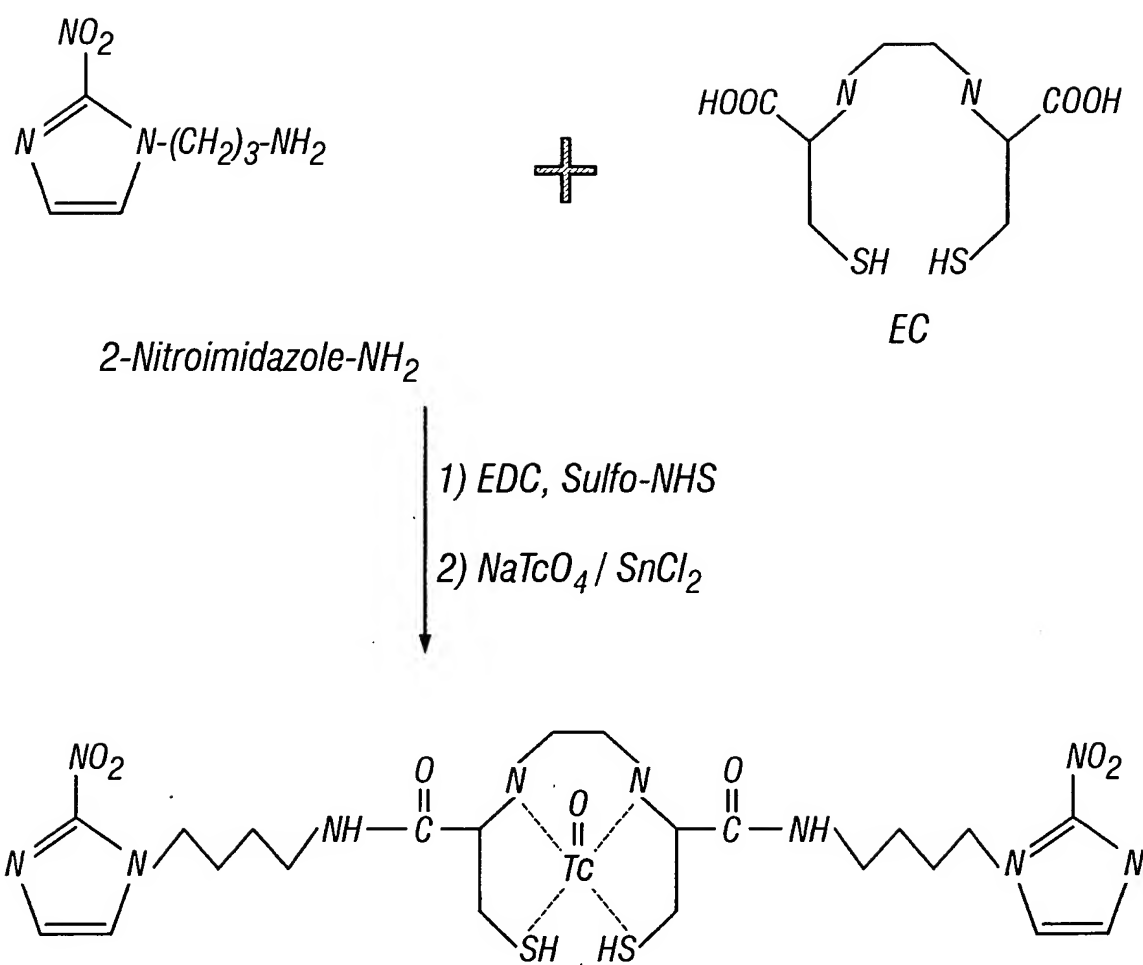


FIG. 8A

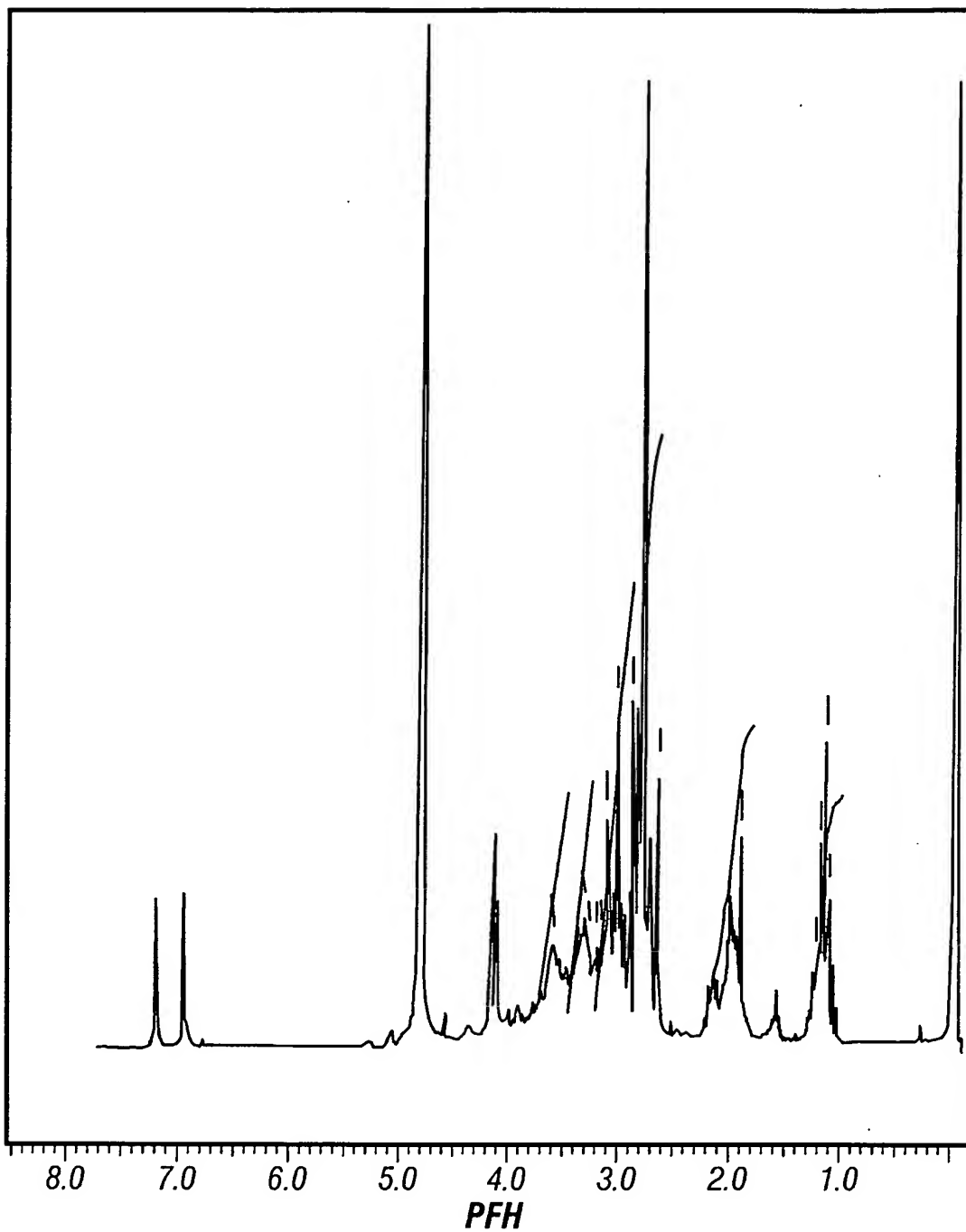


FIG. 8B

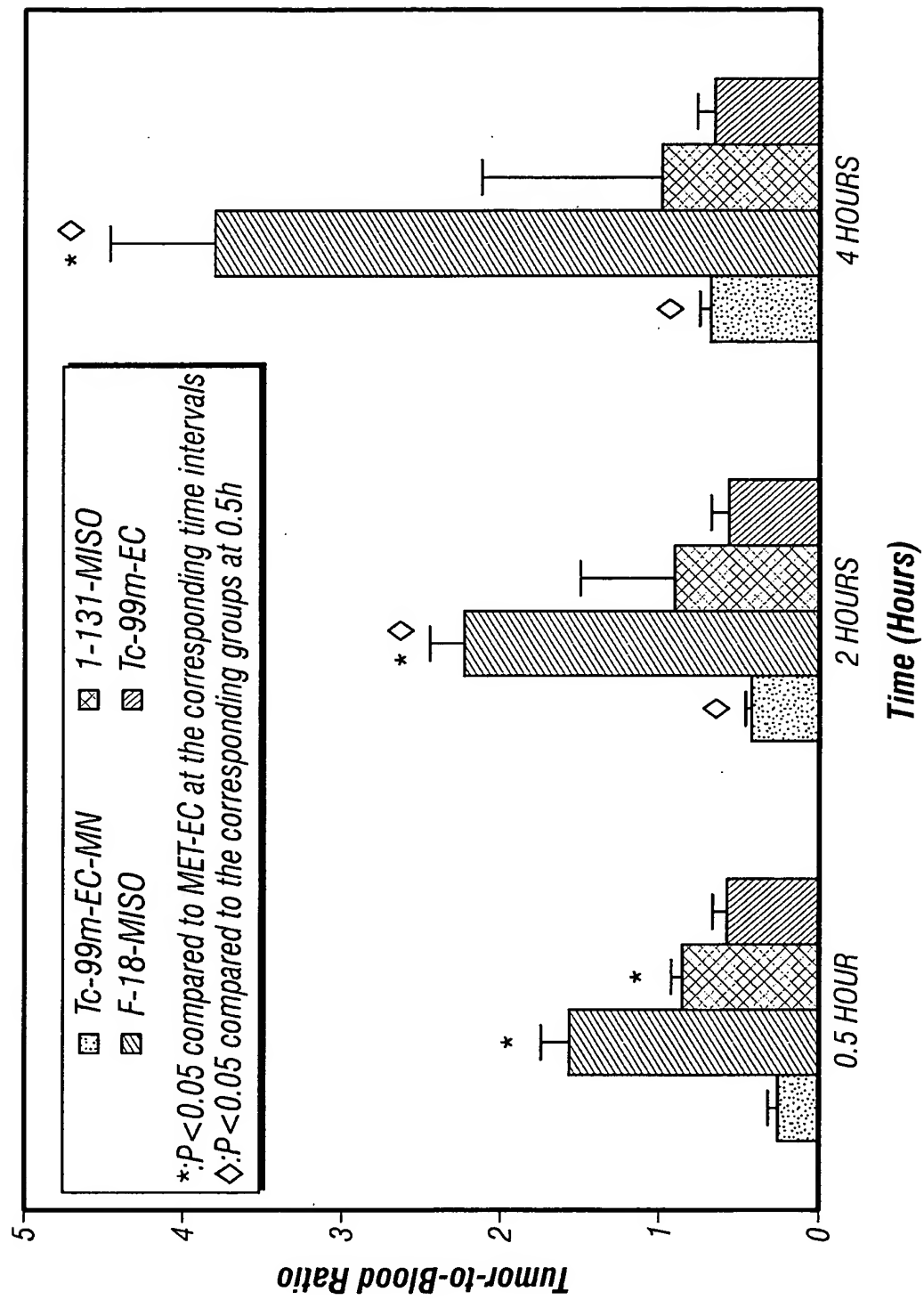


FIG. 9

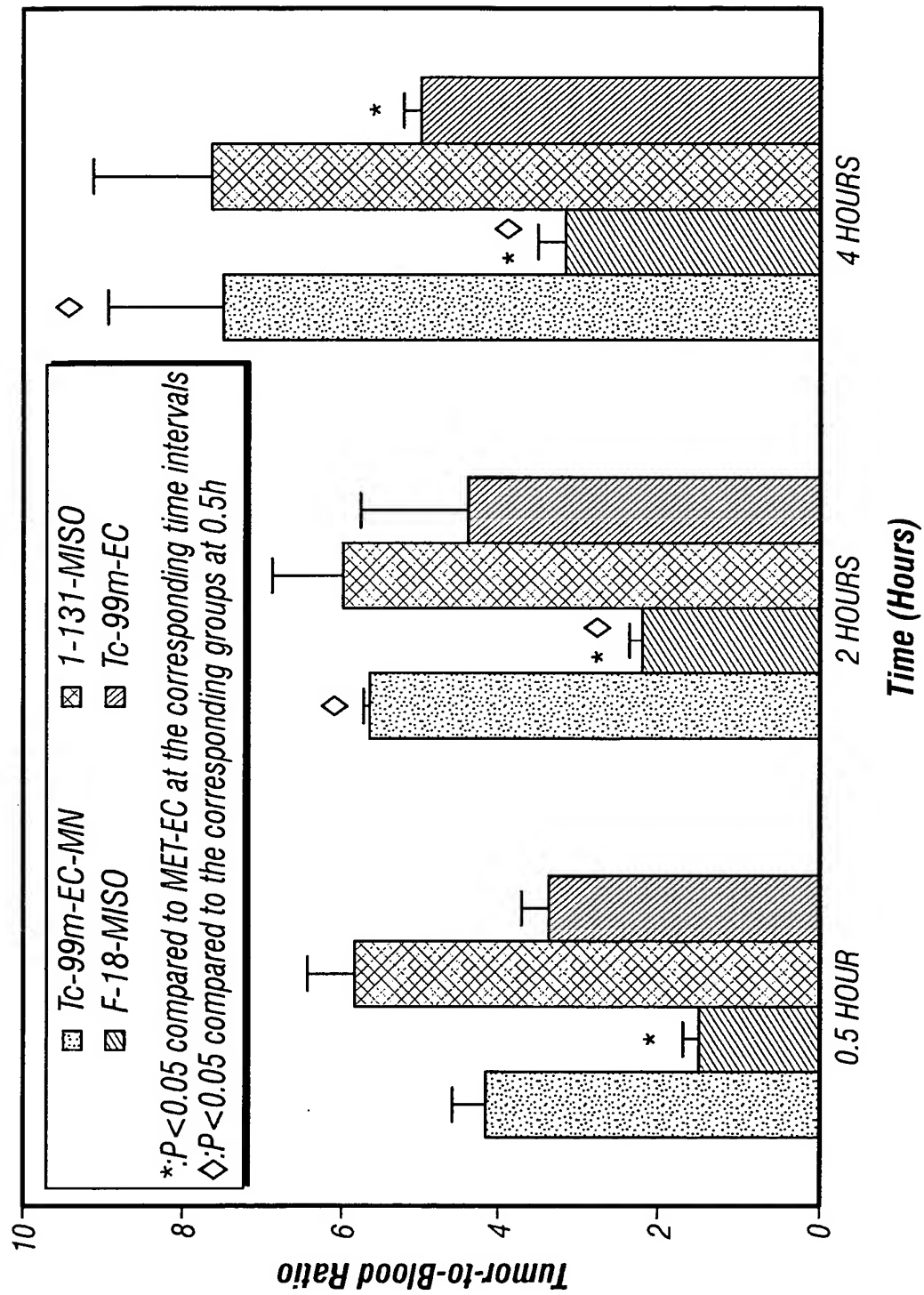


FIG. 10

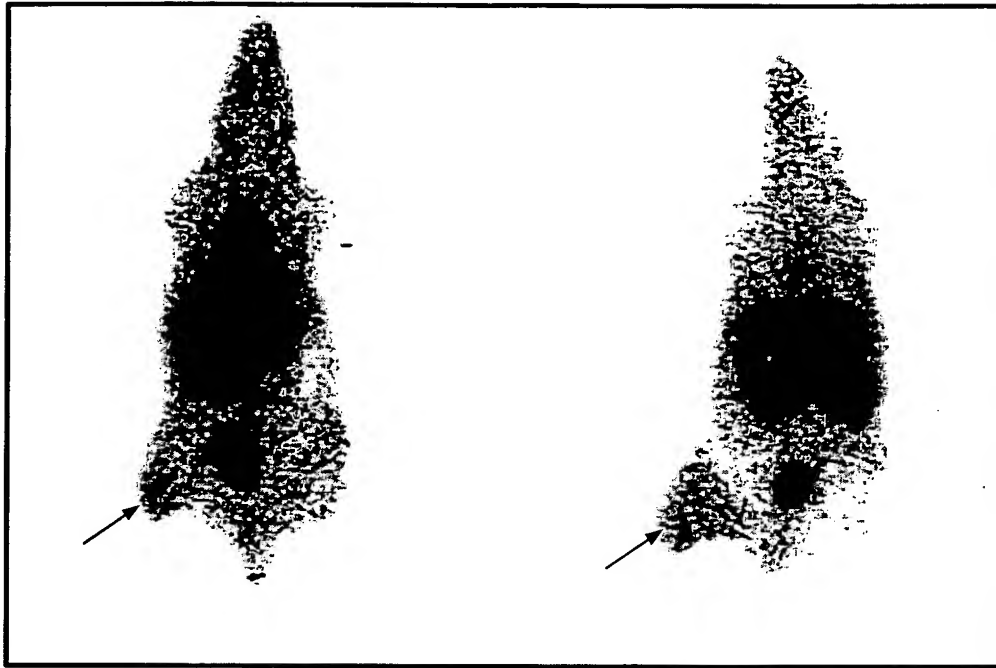


FIG. 11A

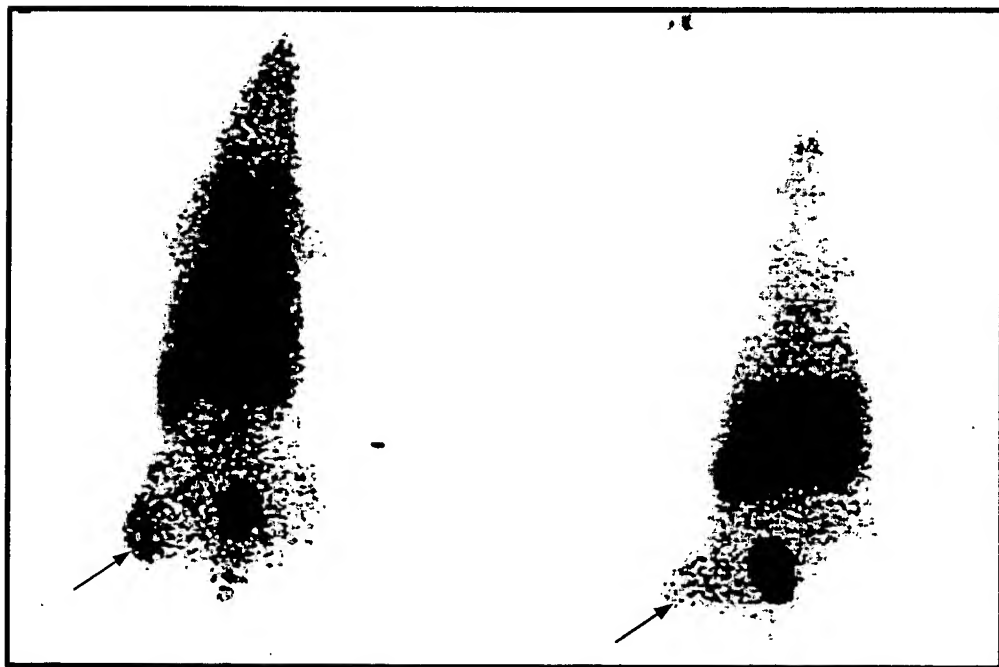


FIG. 11B

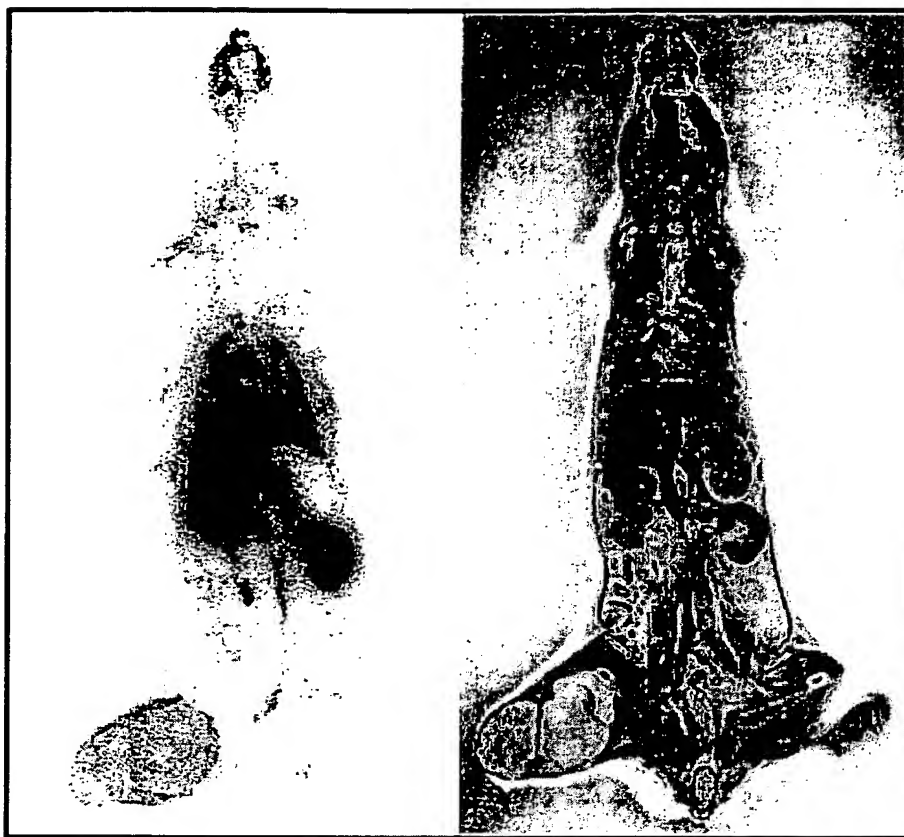


FIG. 12

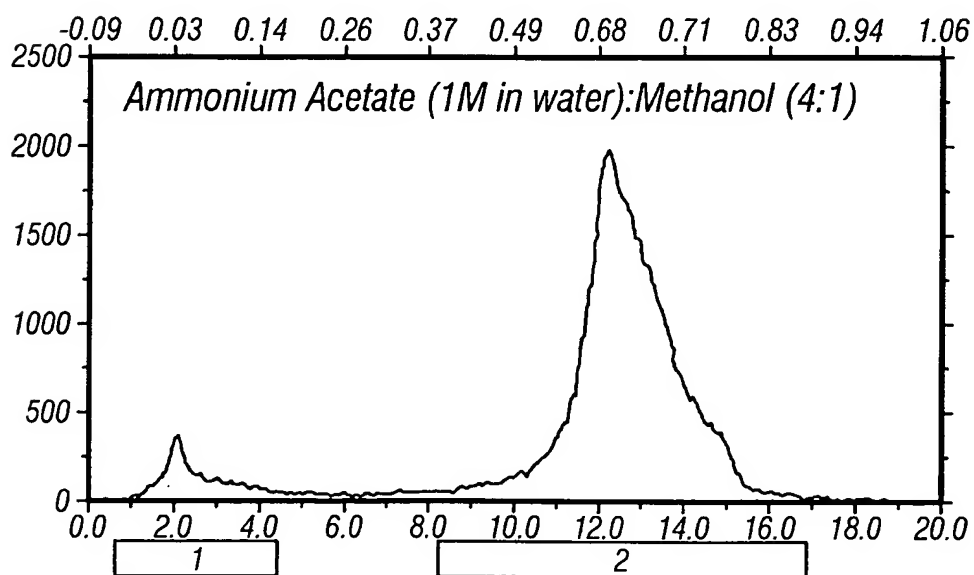


FIG. 13

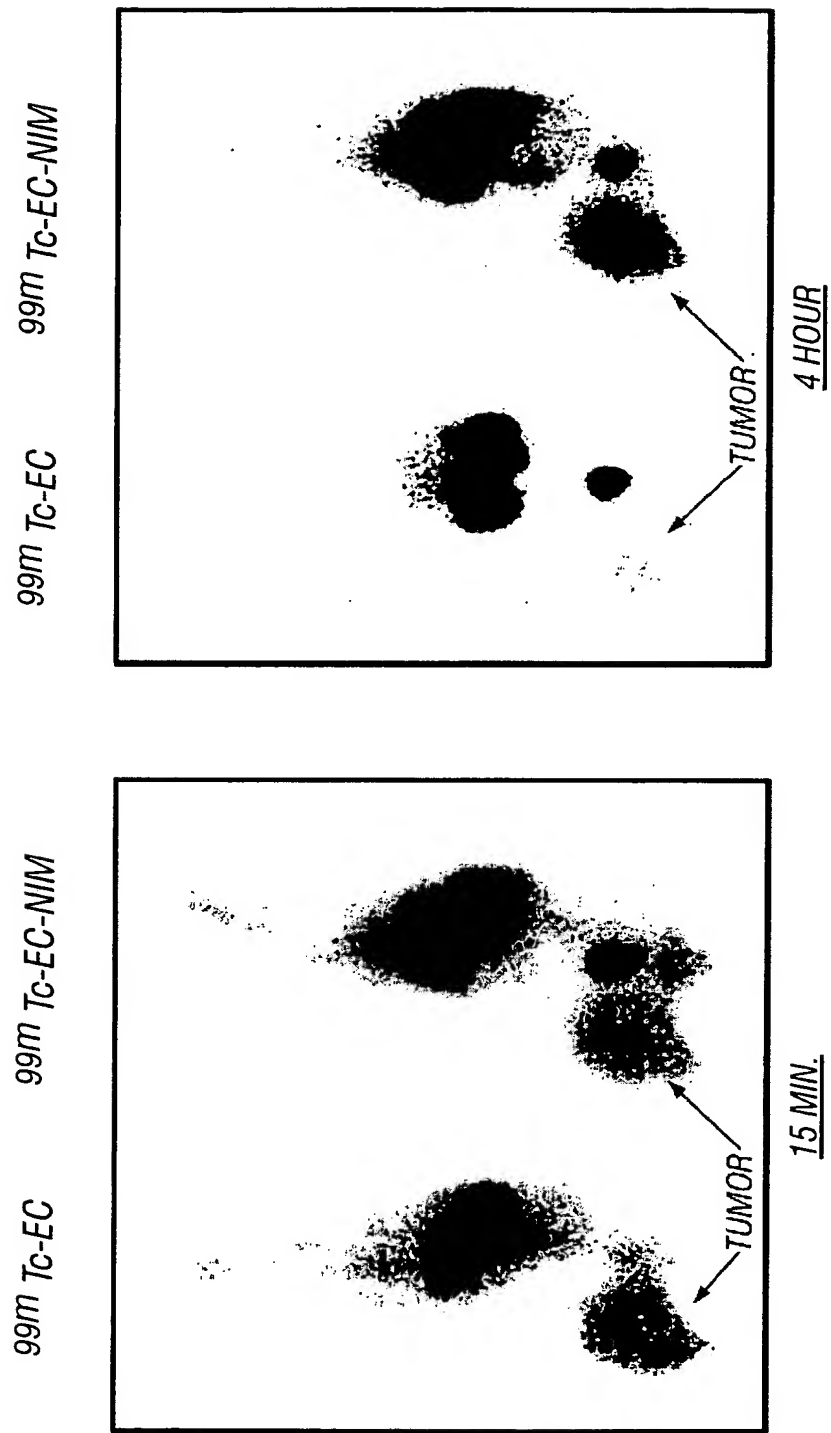


FIG. 14A

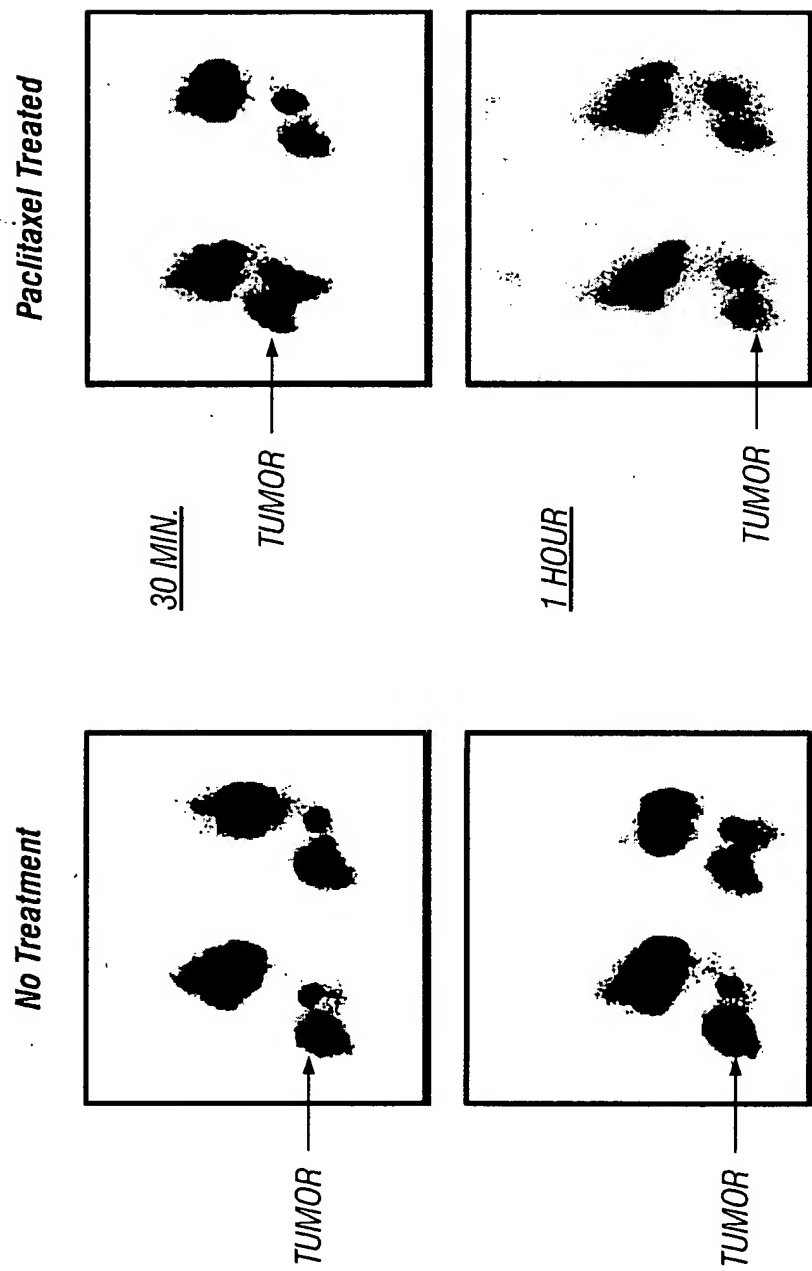


FIG. 14B

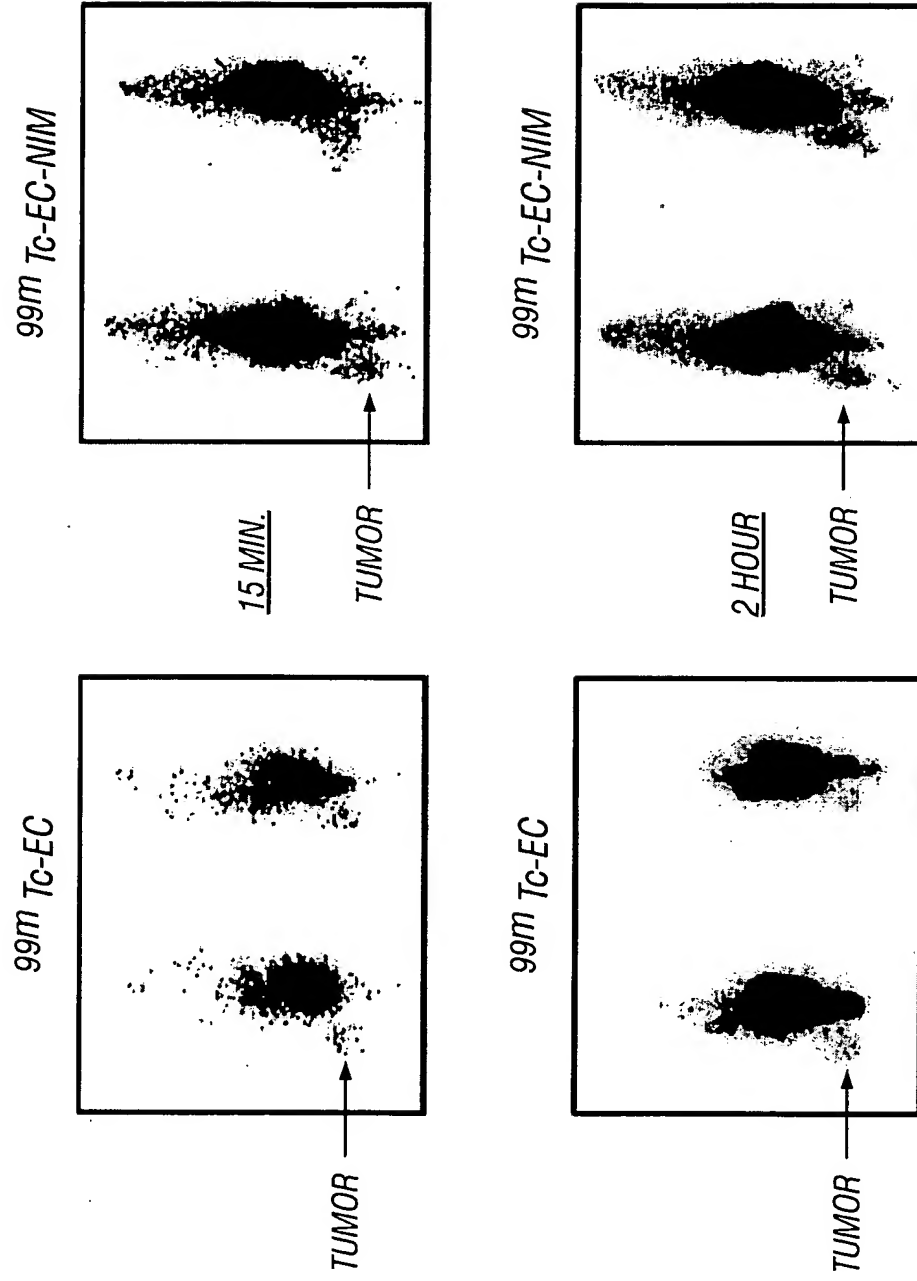


FIG. 15A

***^{99m}Tc -EC-Nitroimidazole (NIM)
(100 μCi /mouse, iv.)***

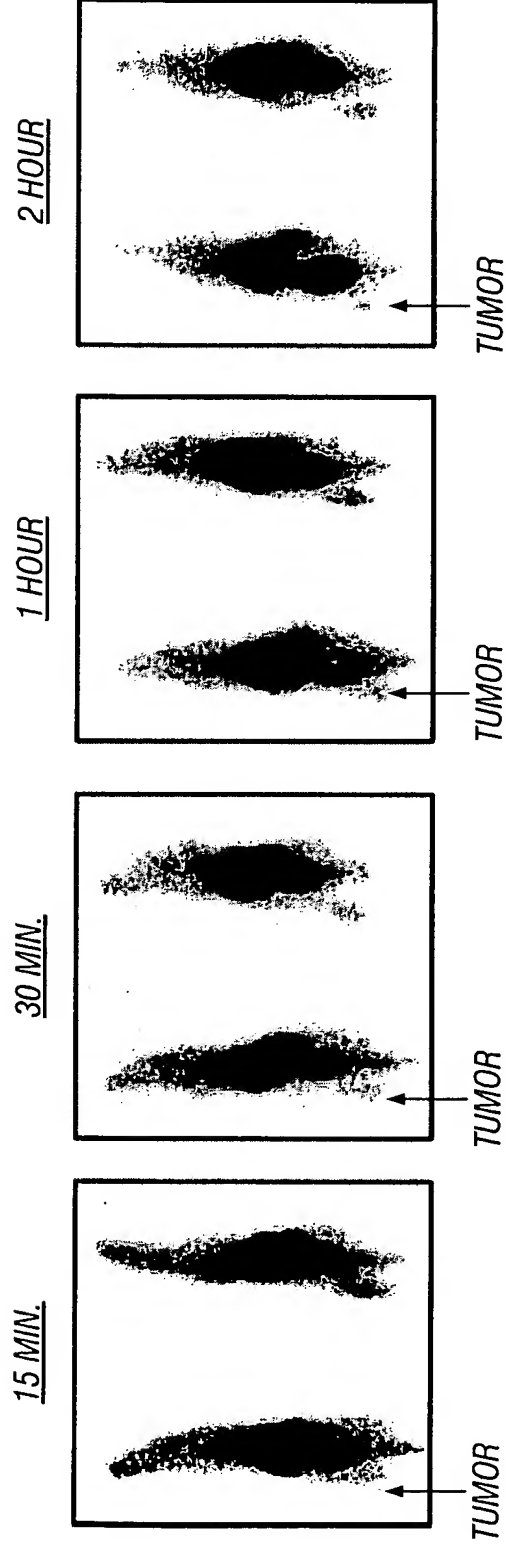
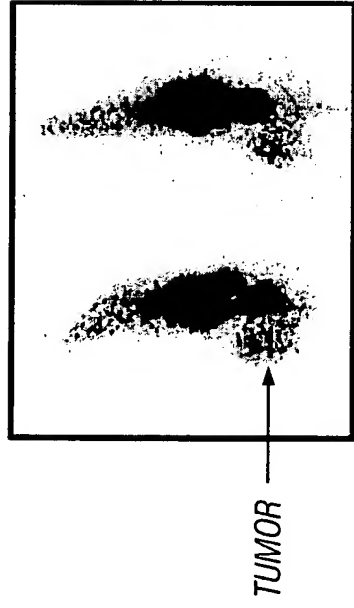
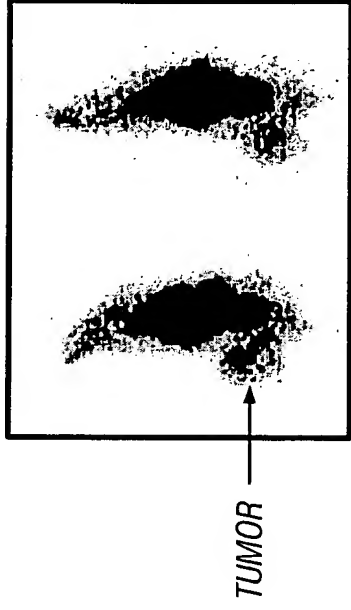


FIG. 15B

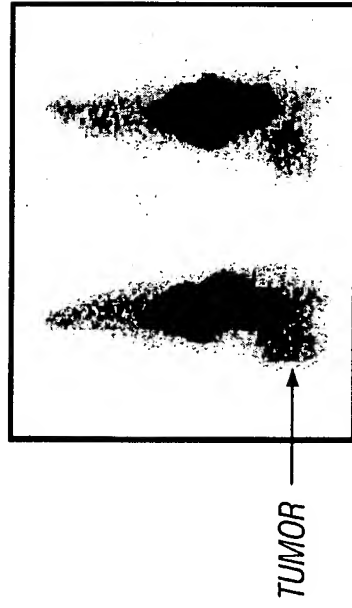
^{99m}Tc-EC-Nitroimidazole (NIM)



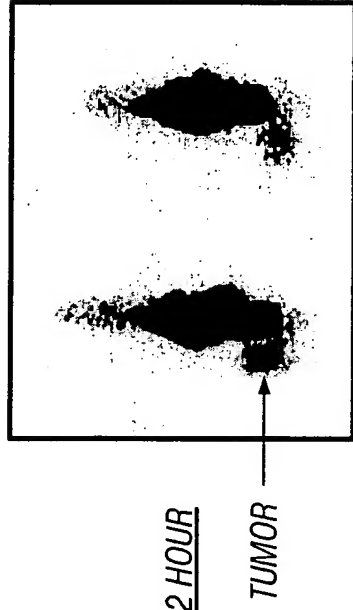
15 MIN.



30 MIN.



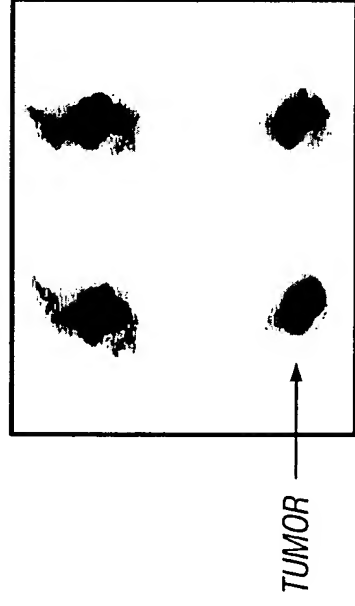
1 HOUR



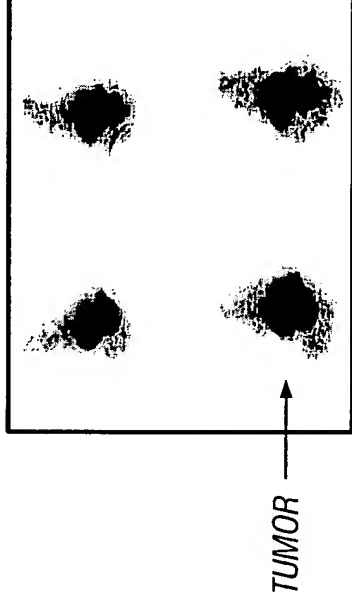
2 HOUR

FIG. 15C

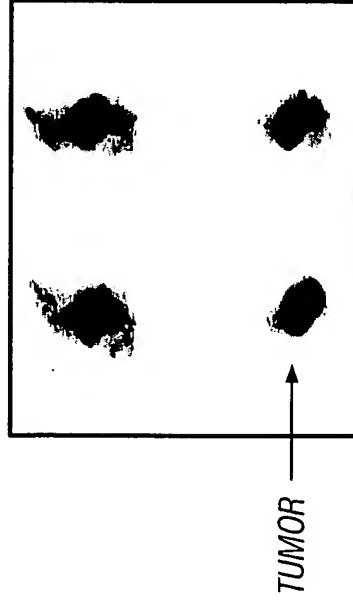
*^{99m}Tc-EC-Nitroimidazole (NIM)
(100 μ Ci/mouse, iv.)*



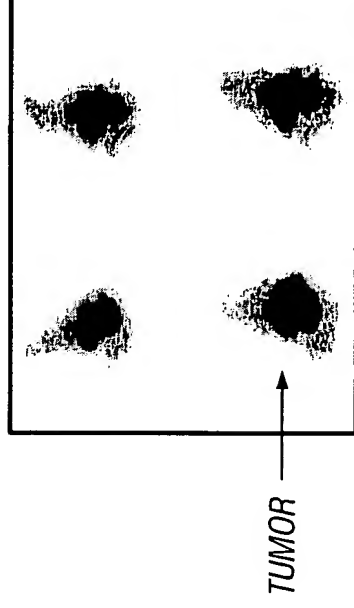
15 MIN.



30 MIN.



1 HOUR

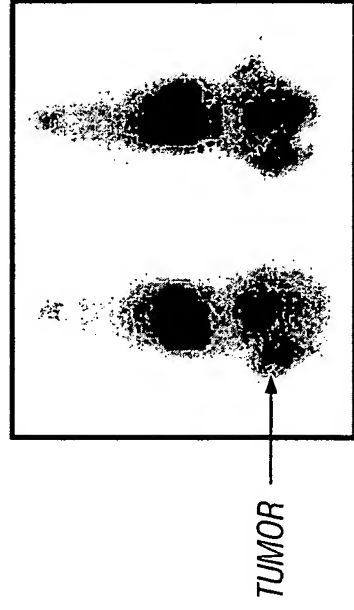


2 HOUR

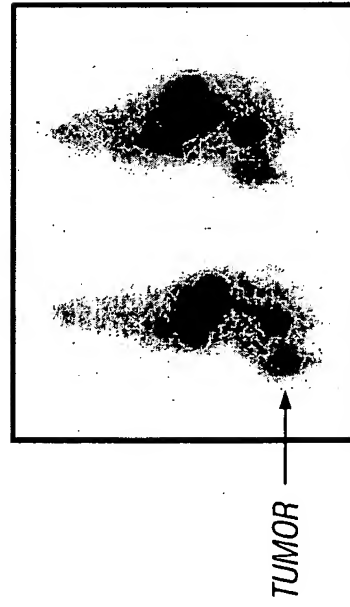
FIG. 15D



15 MIN.



30 MIN.



1 HOUR



2 HOUR

FIG. 17



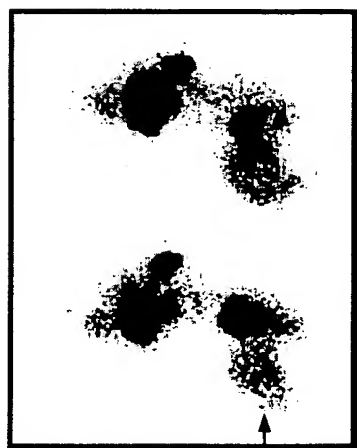
30 MIN.

TUMOR



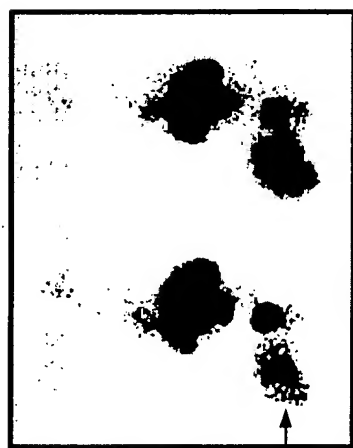
2 HOUR

TUMOR



15 MIN.

TUMOR



1 HOUR

TUMOR

FIG. 18

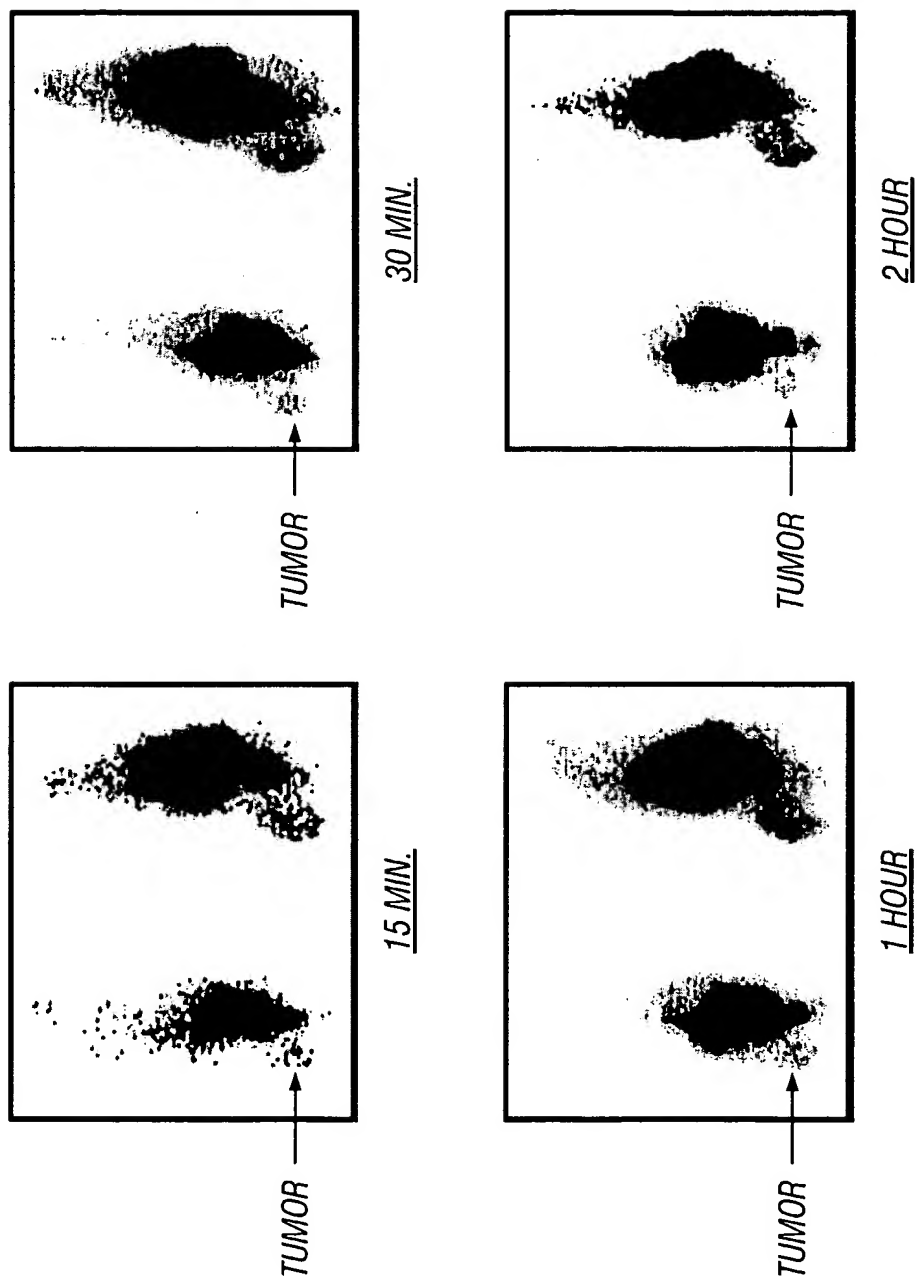


FIG. 19A

^{99m}Tc -EC-Annexin V
(100 μCi /mouse, iv.)

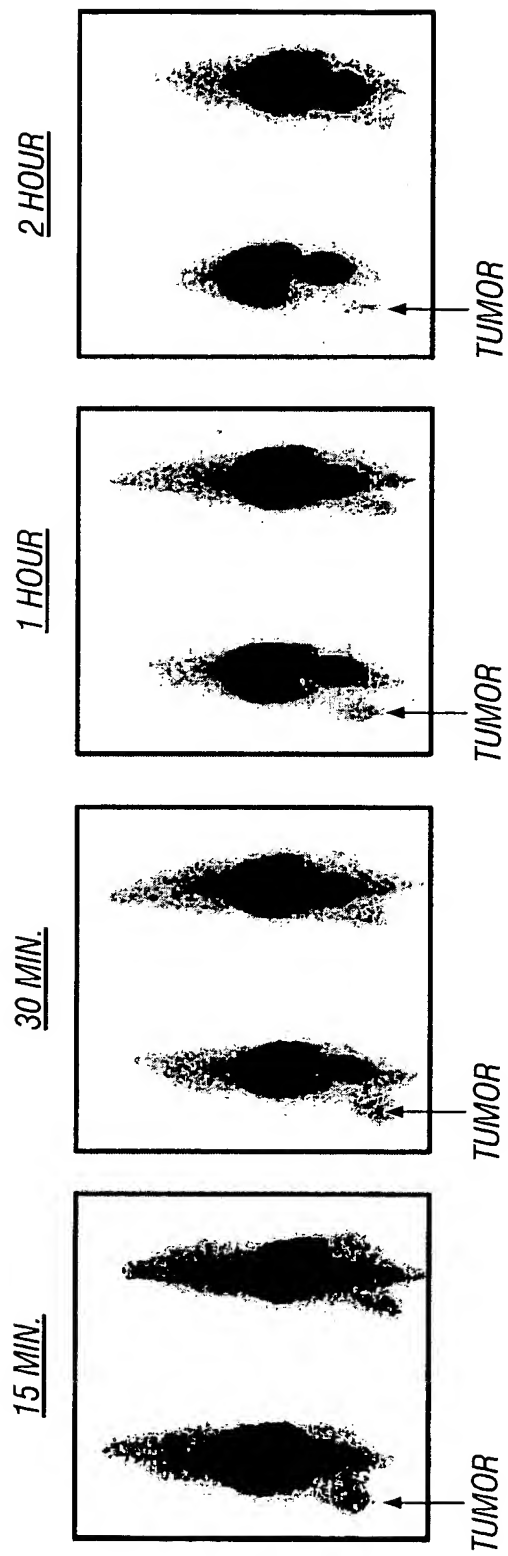


FIG. 19B

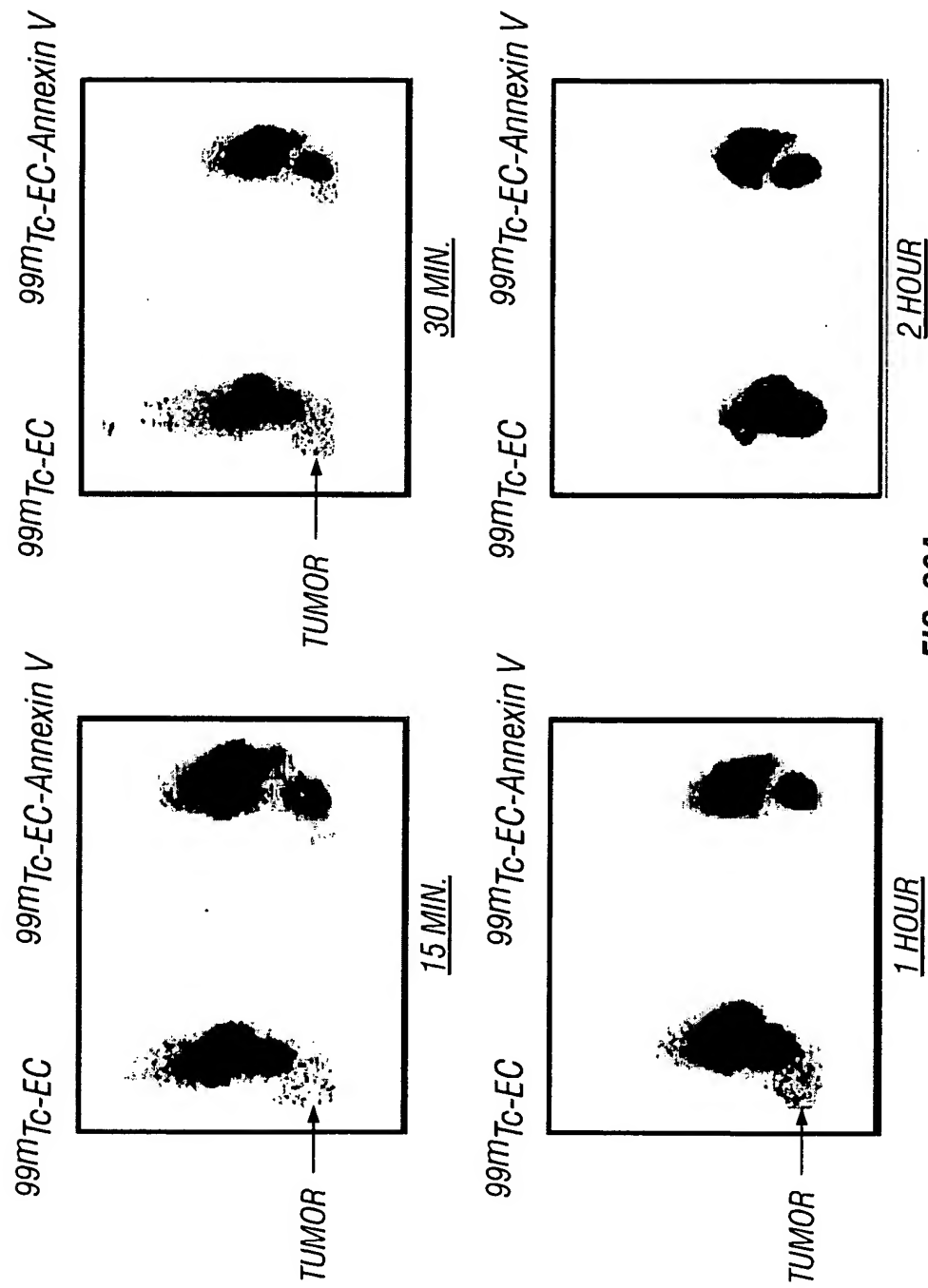


FIG. 20A

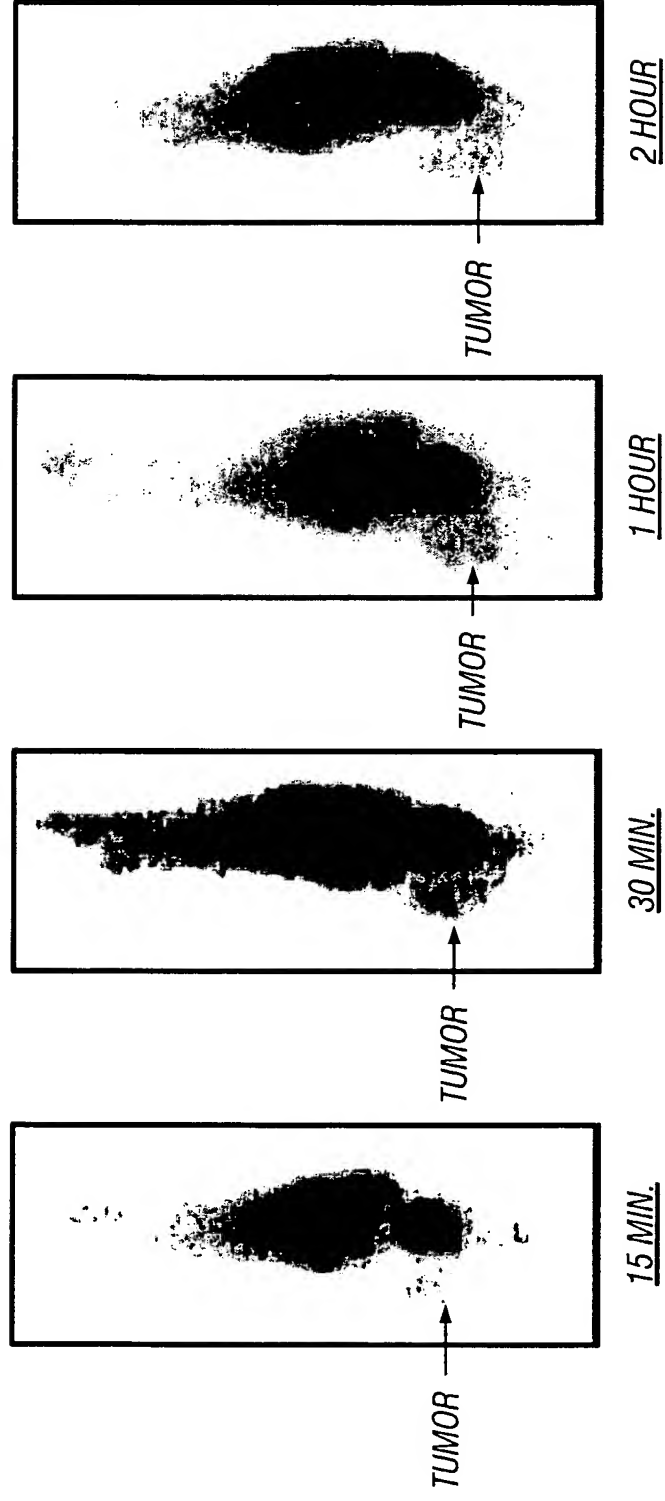


FIG. 20B

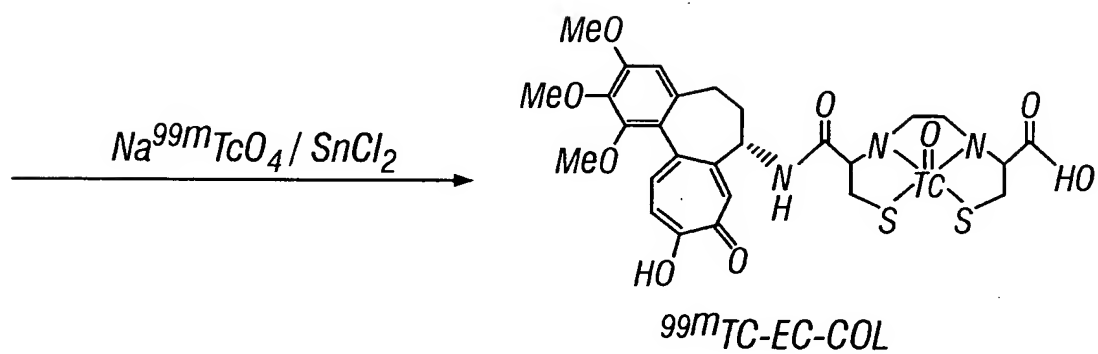
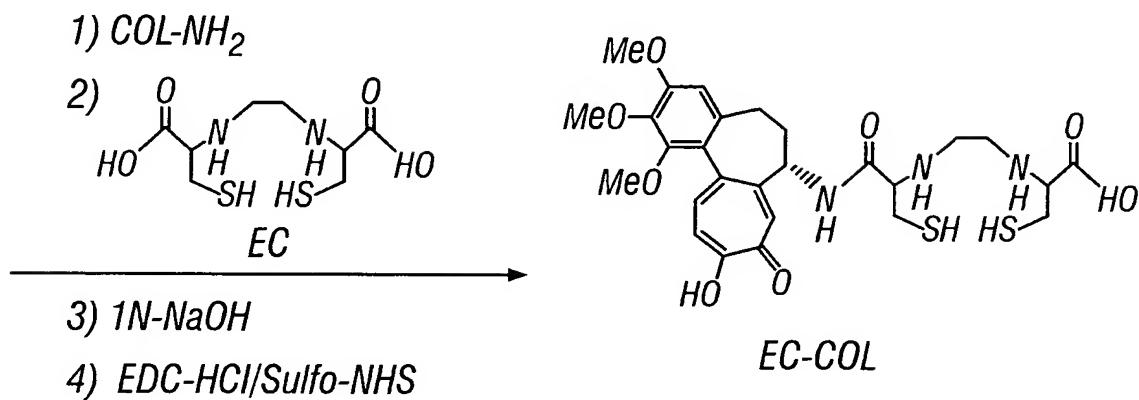
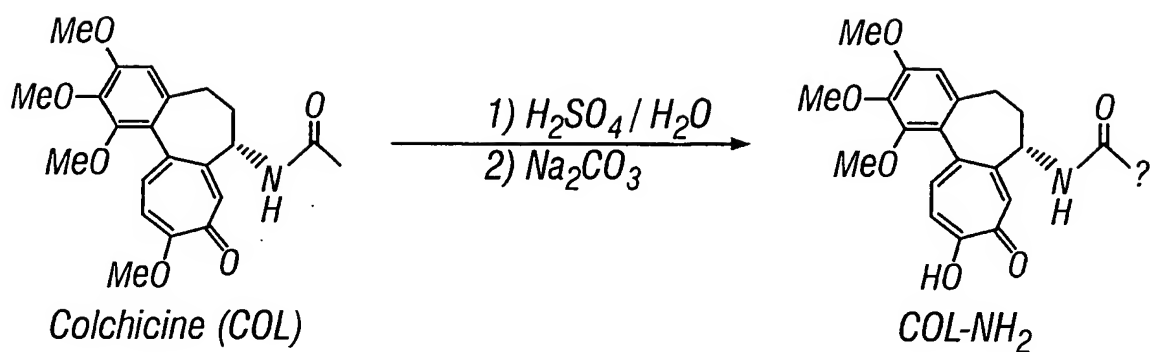


FIG. 21

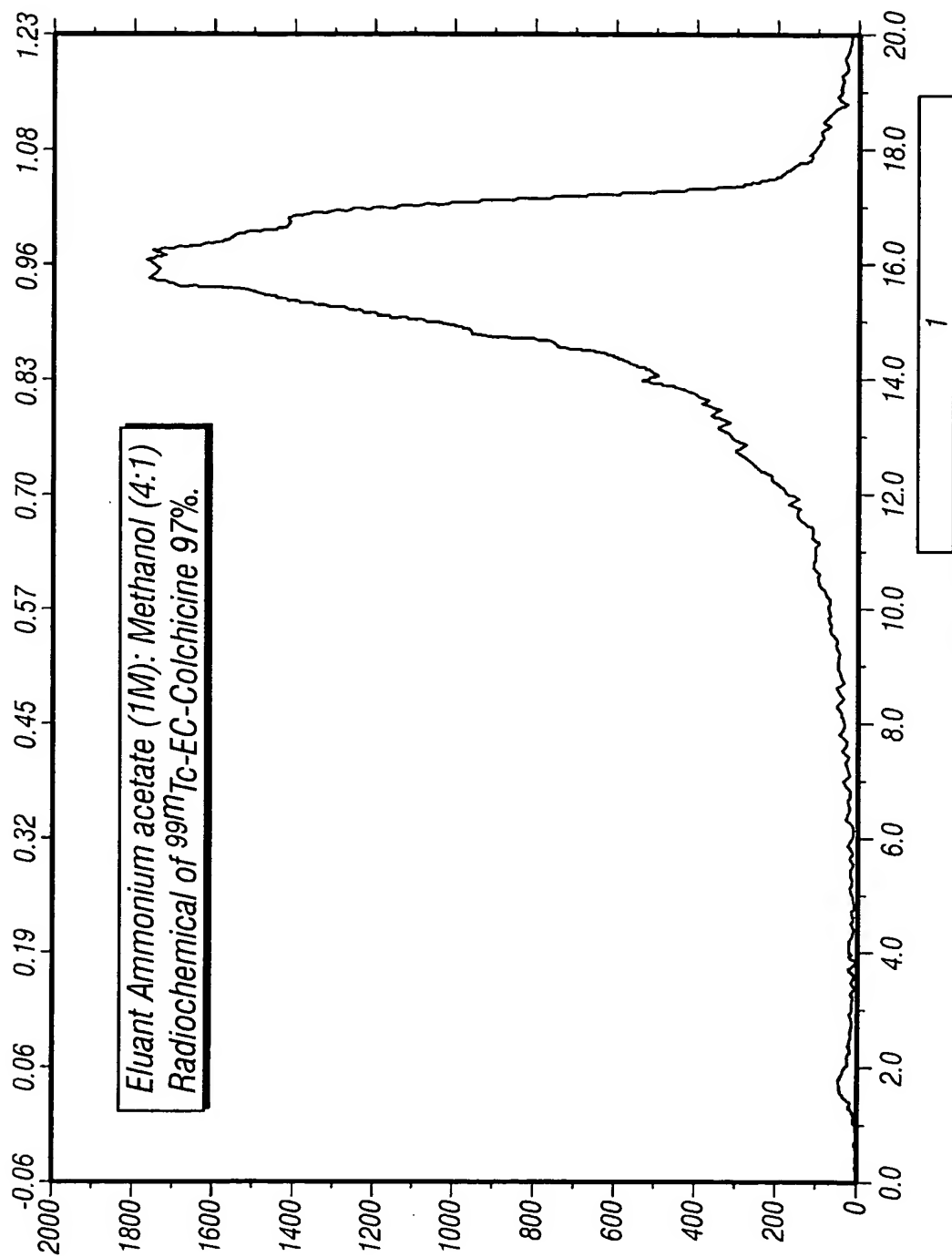


FIG. 22

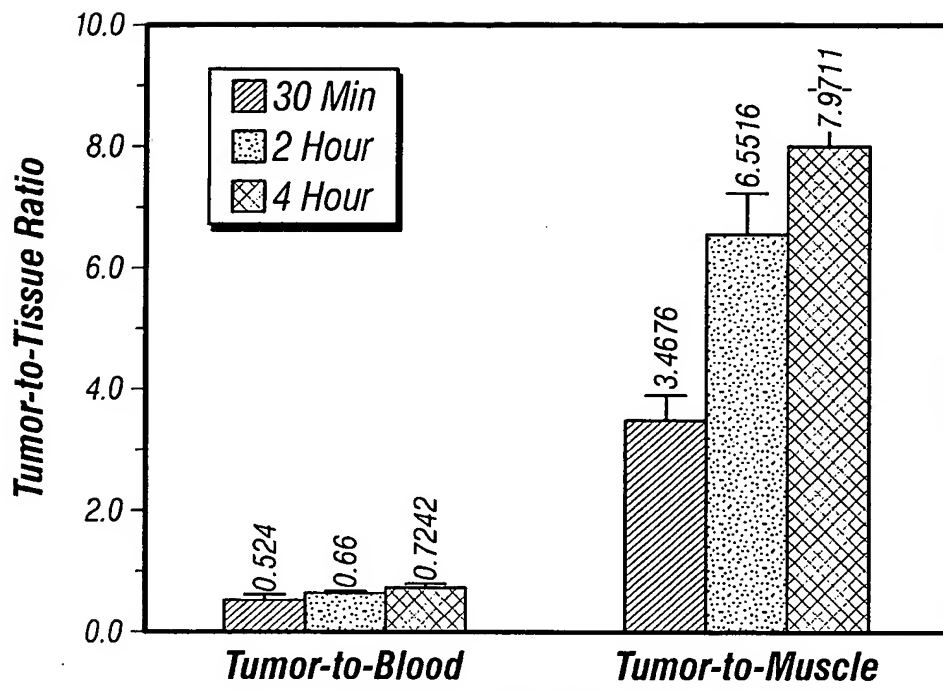


FIG. 23

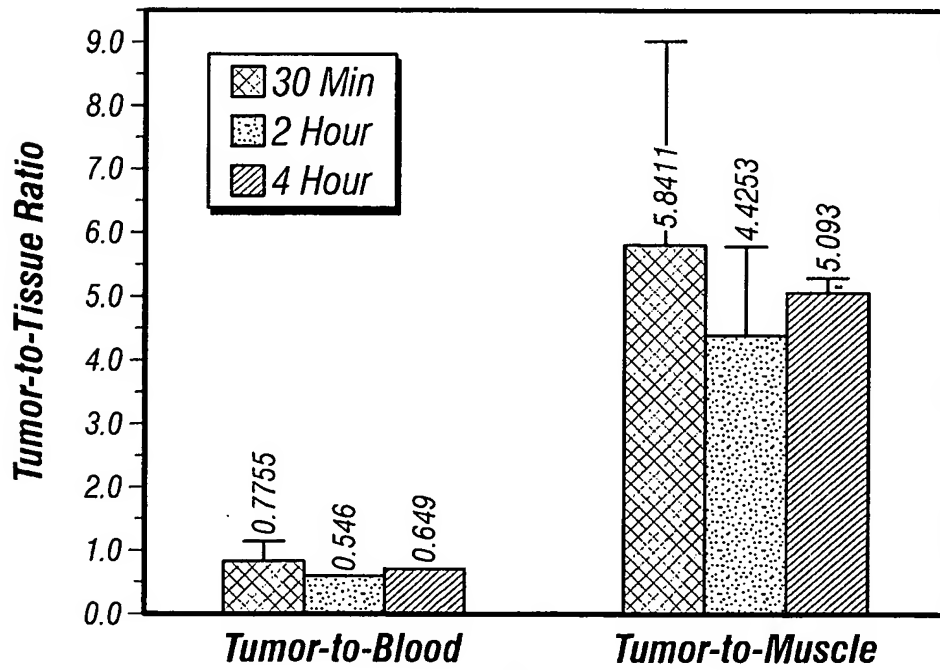


FIG. 24

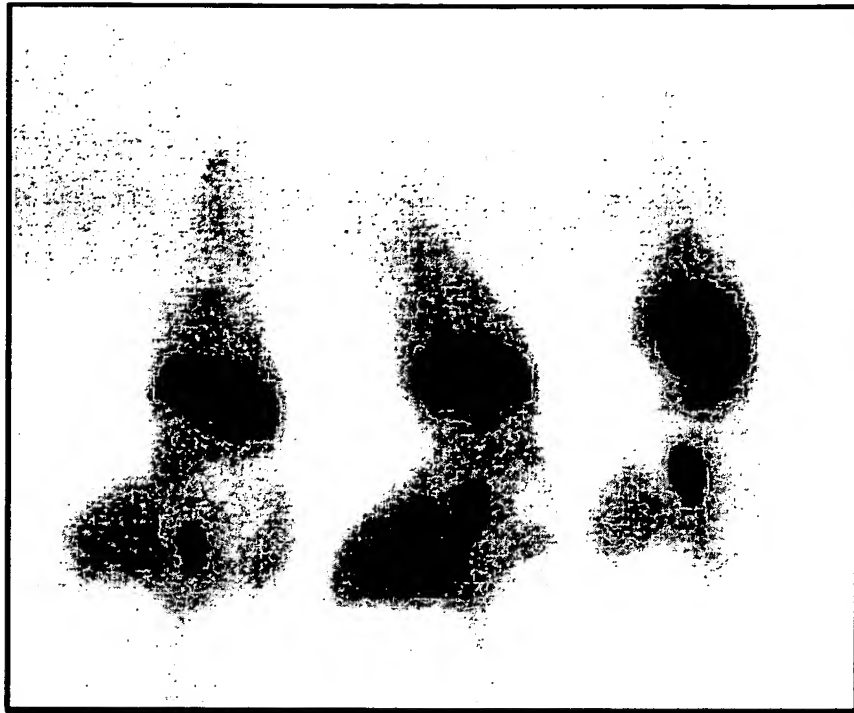


FIG. 25

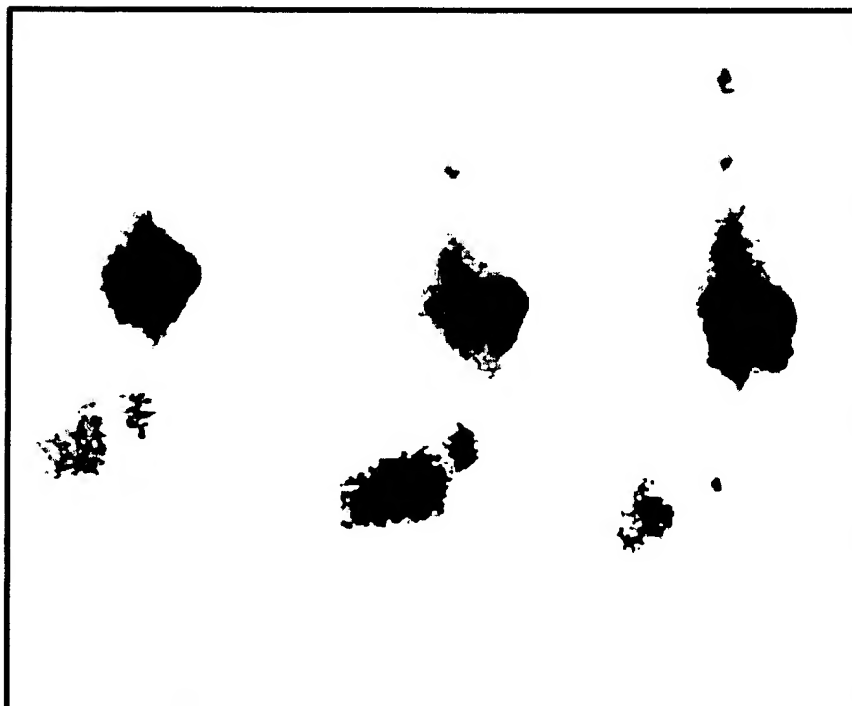


FIG. 26

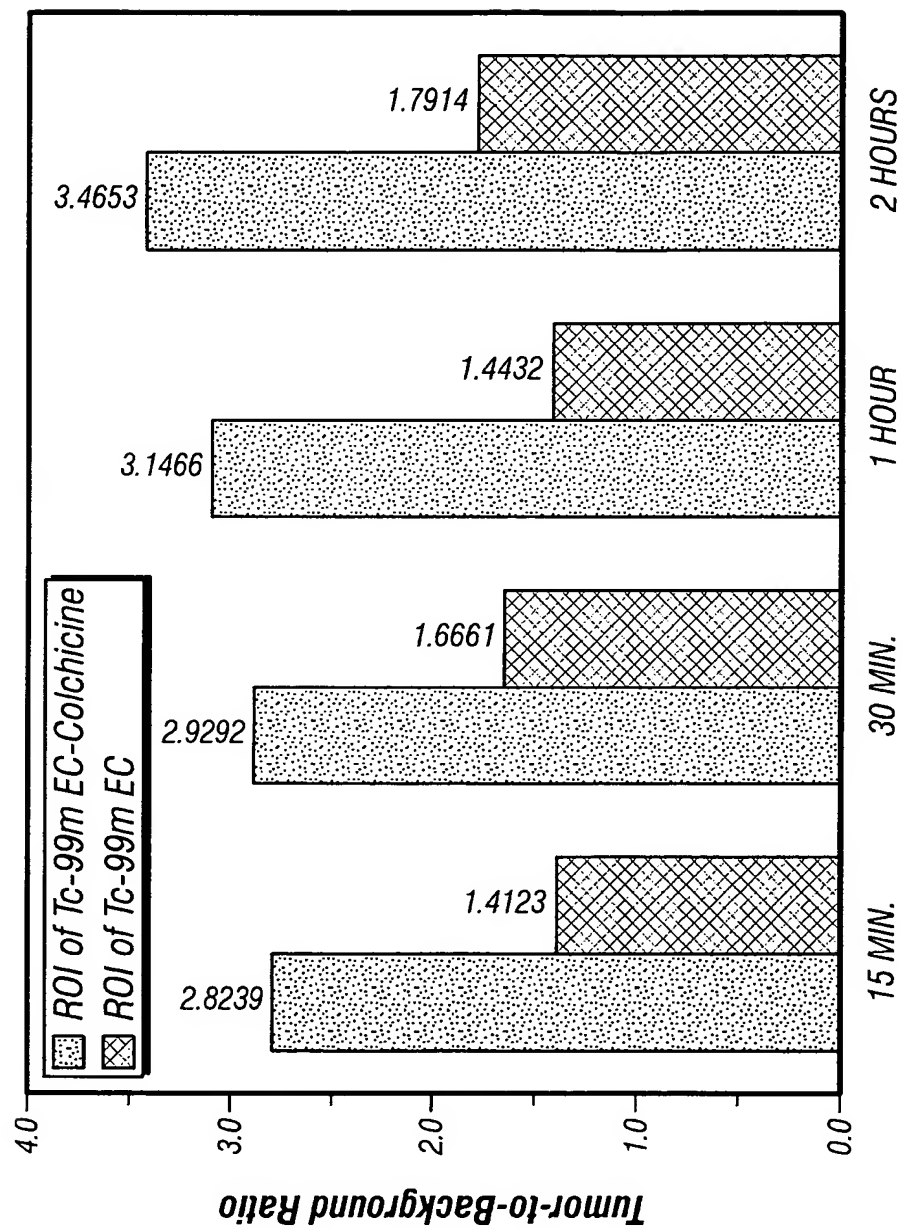


FIG. 27

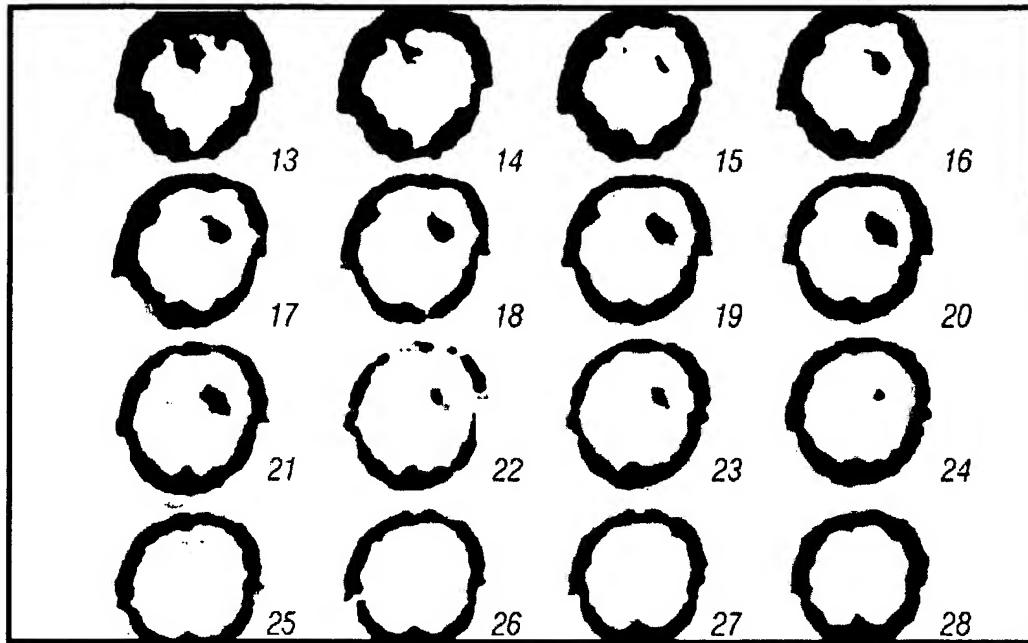


FIG. 28



FIG. 29

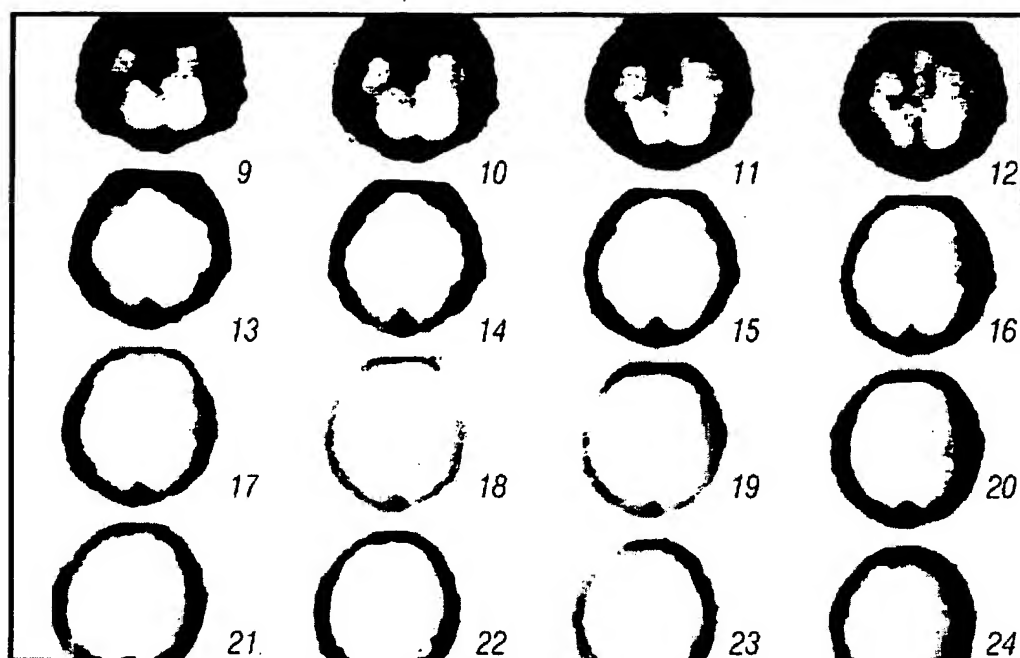


FIG. 30

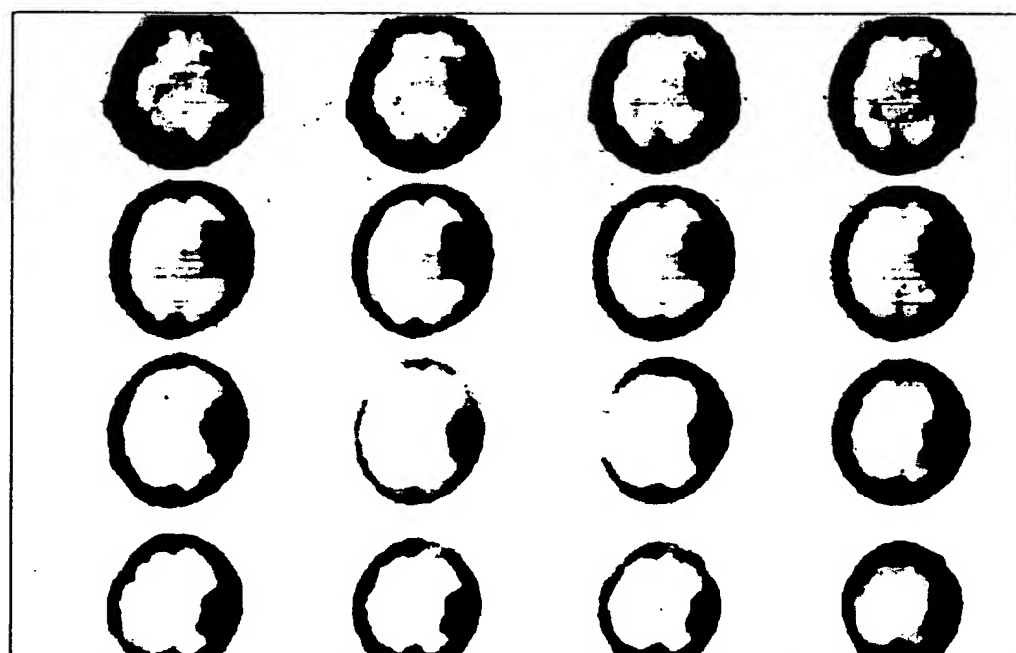


FIG. 31



FIG. 32



FIG. 33

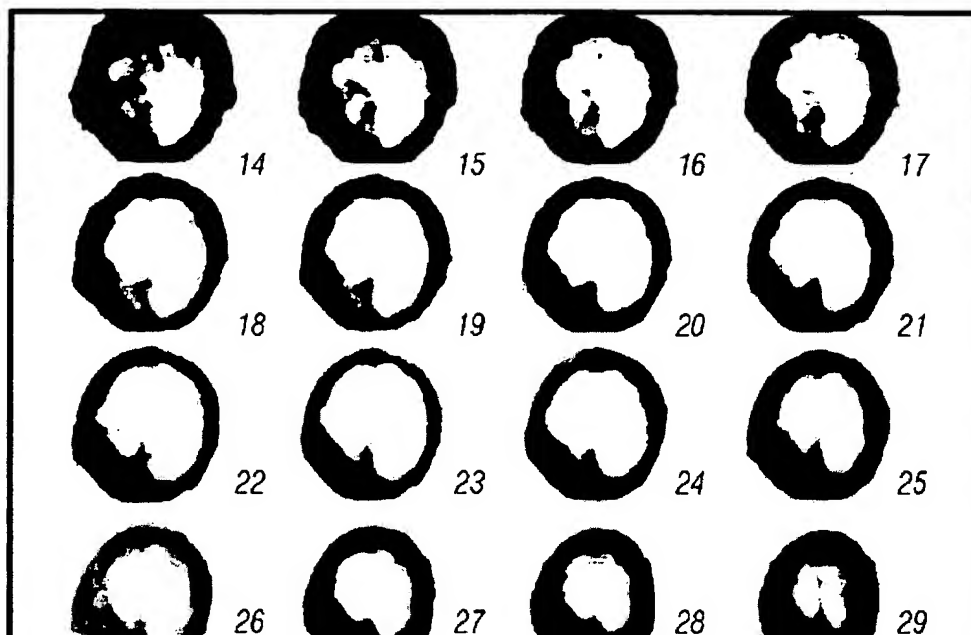
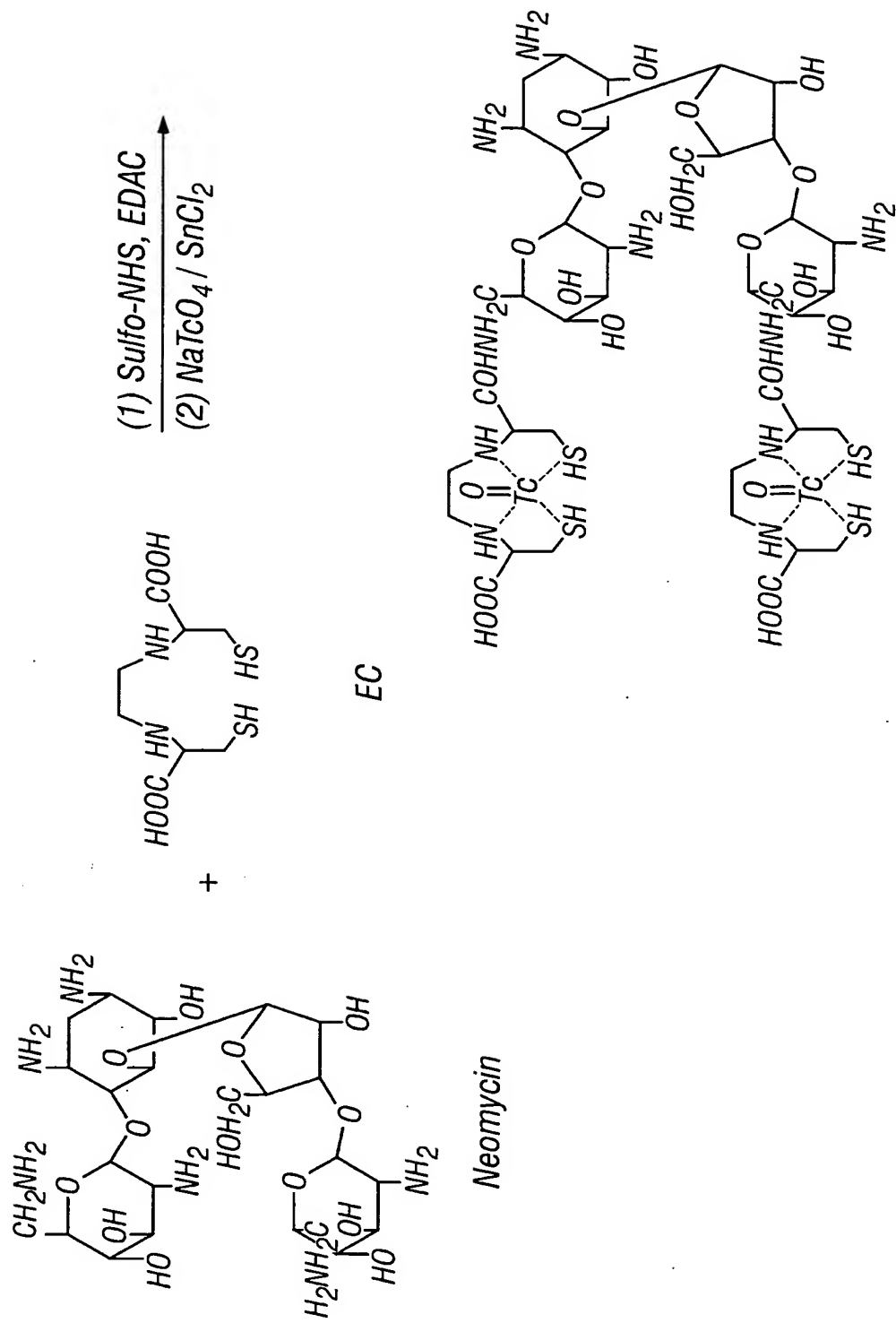


FIG. 34



FIG. 35



$^{99m}\text{Tc-EC-Neomycin}$

FIG. 36

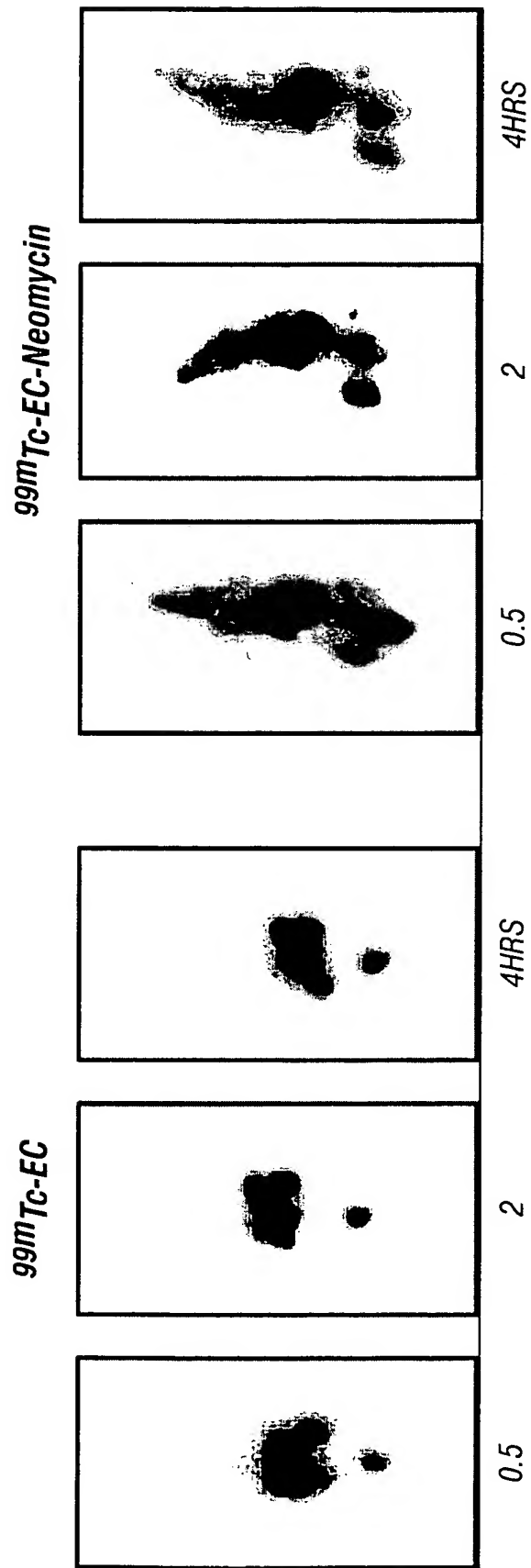


FIG. 37A

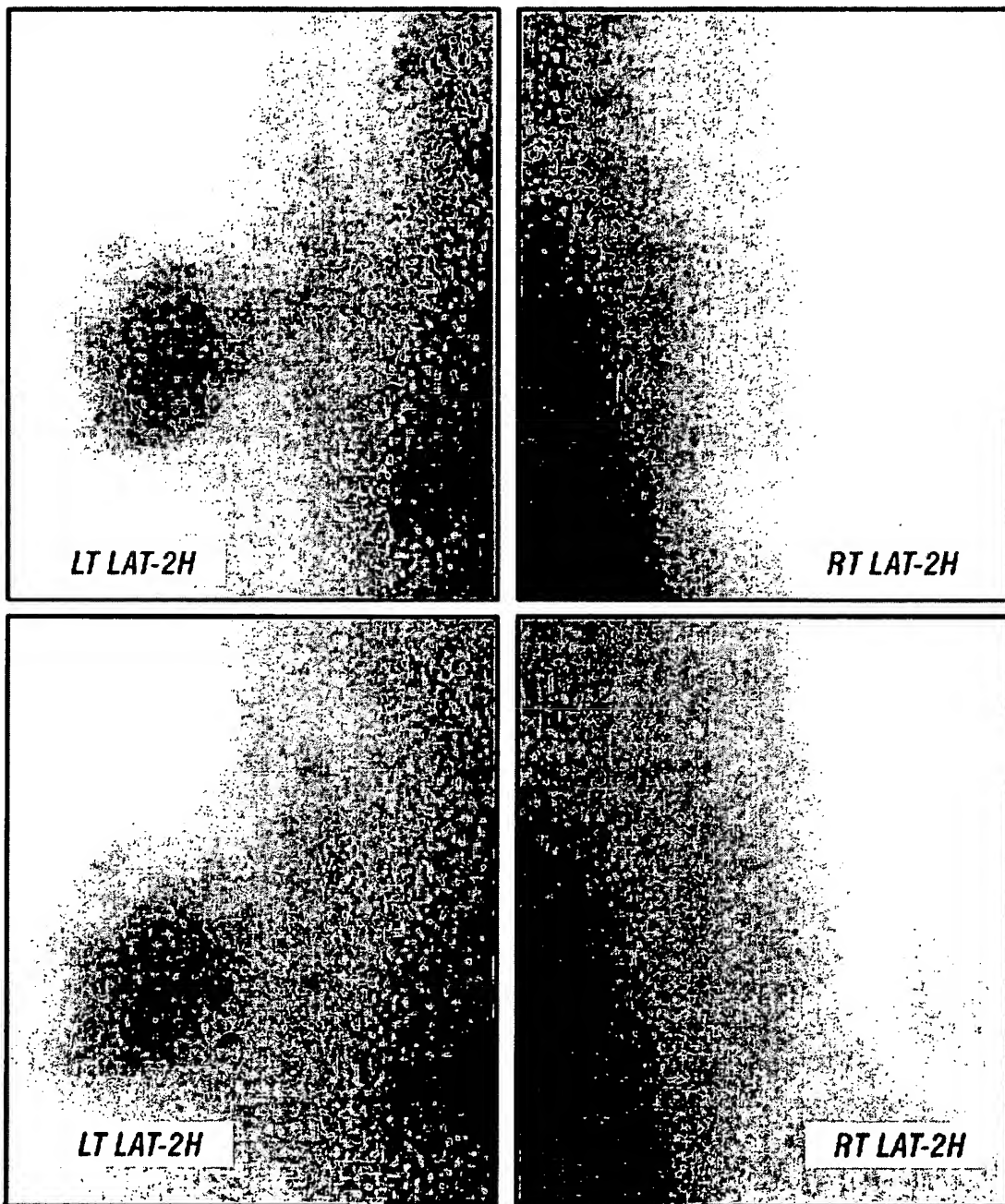
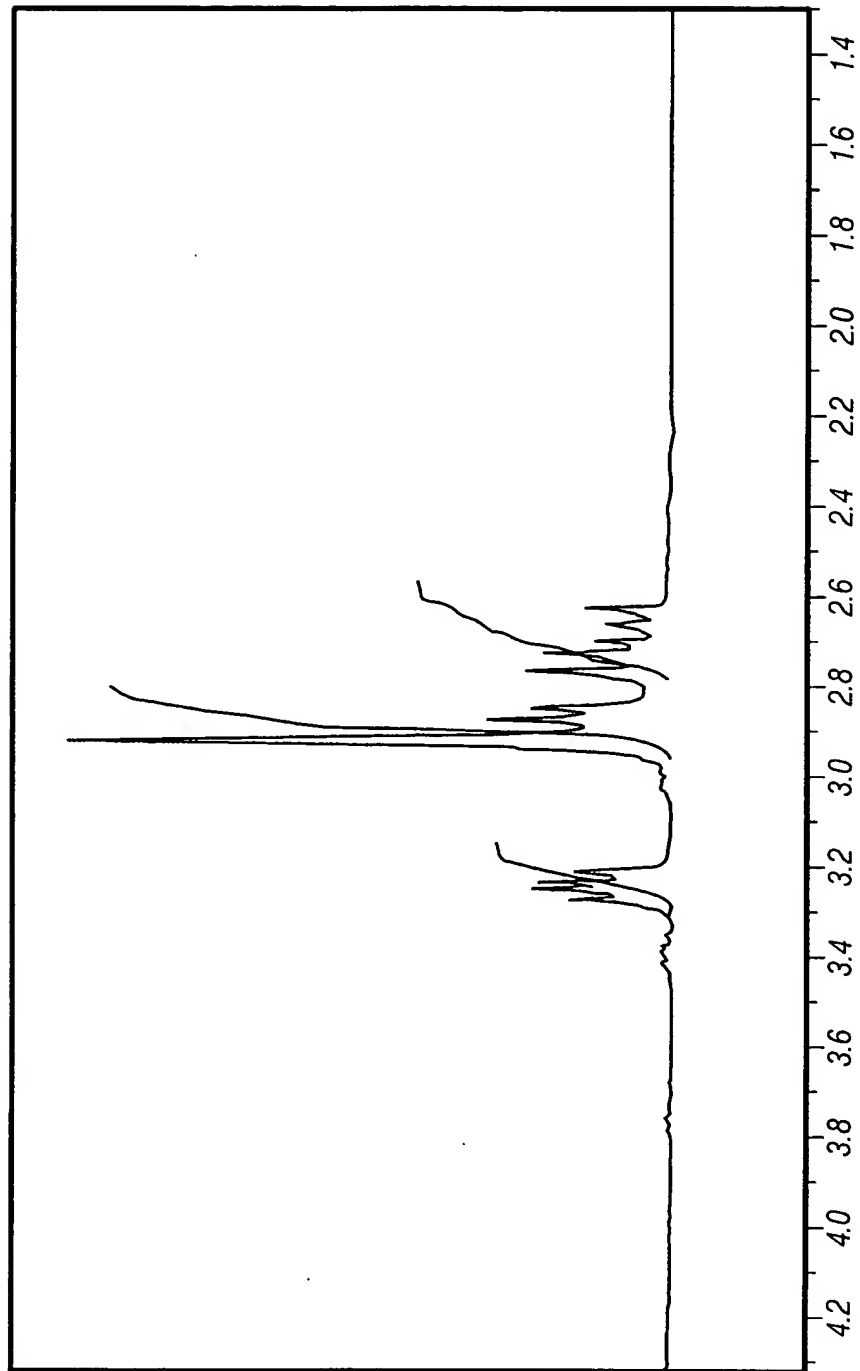
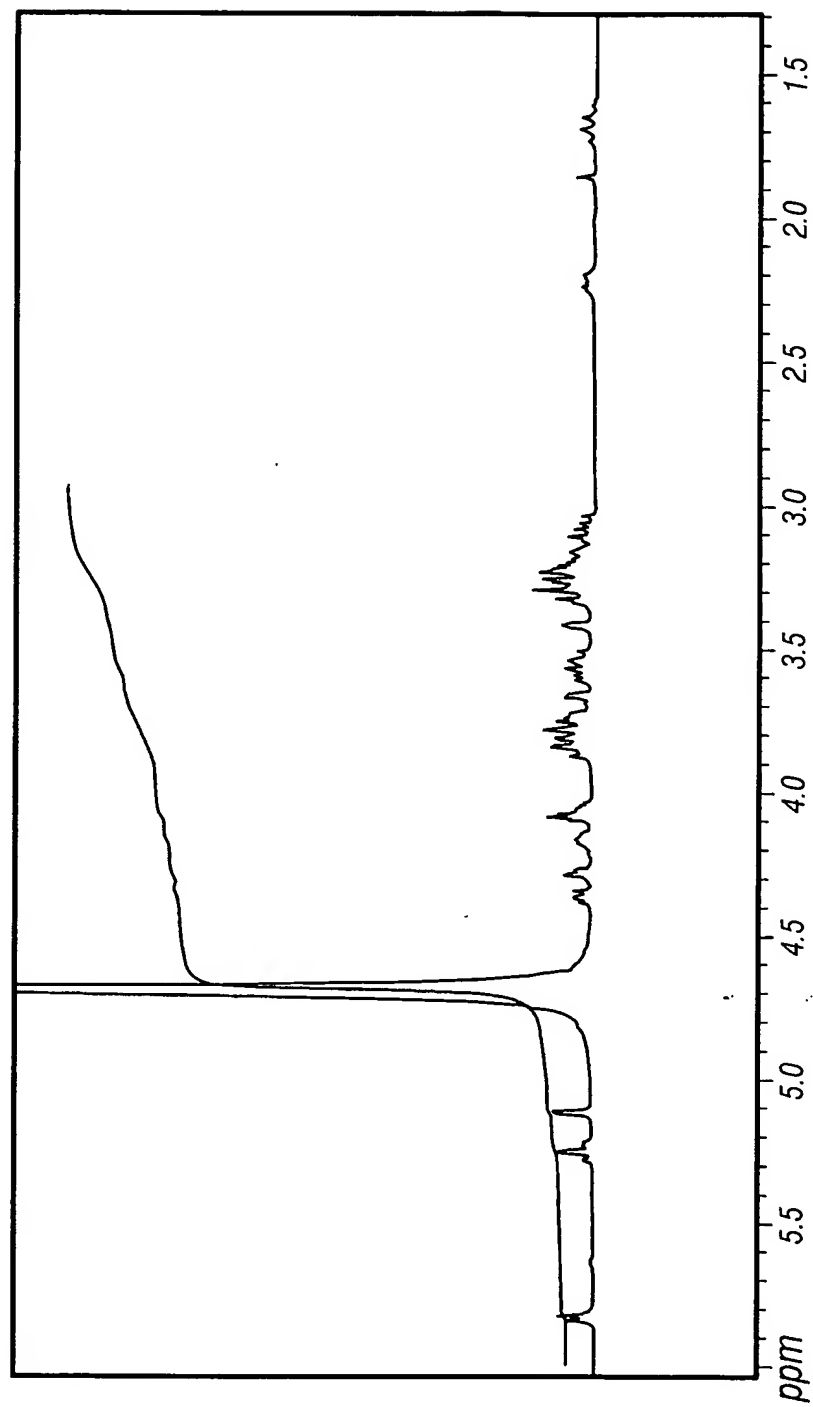


FIG. 37B



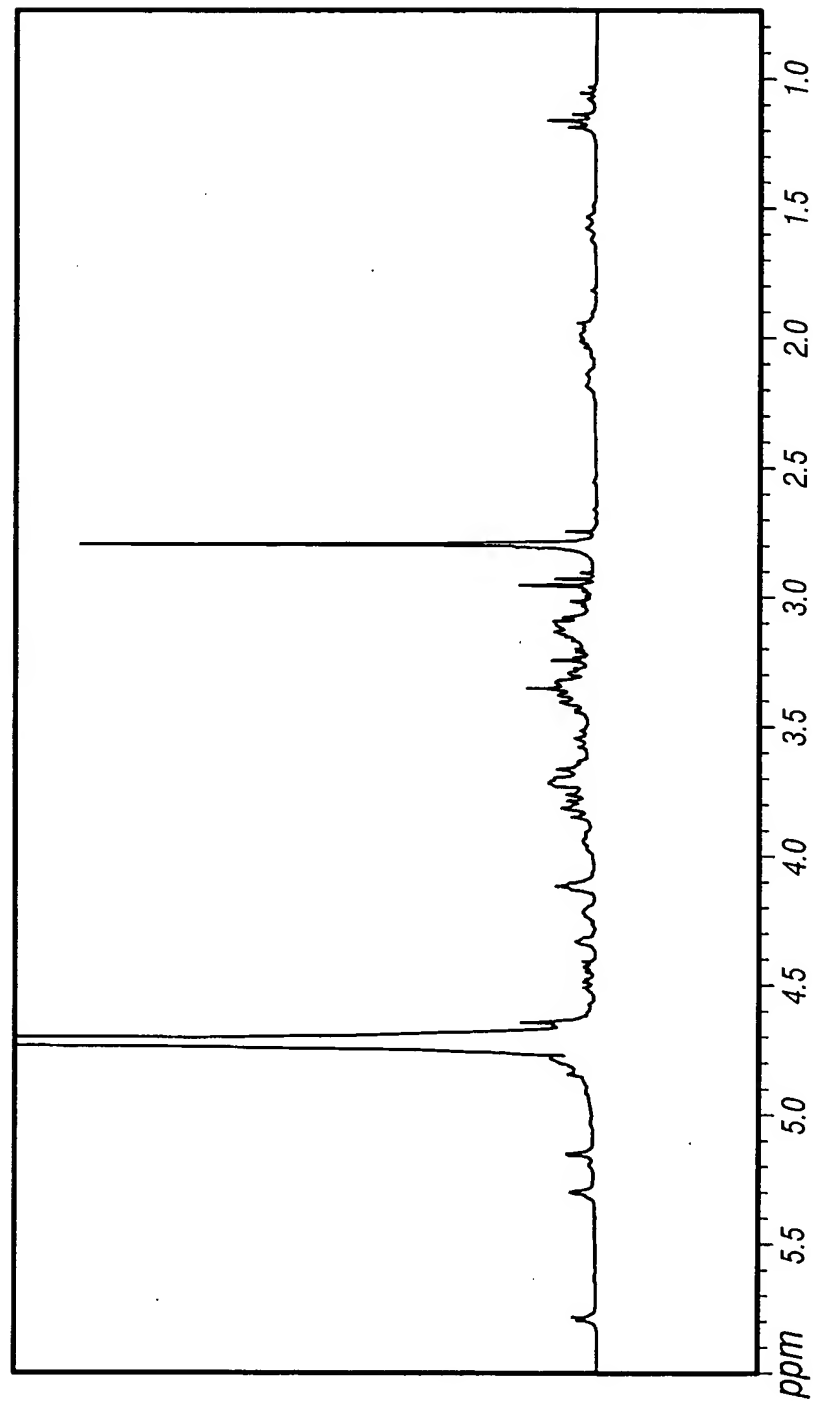
^1H -NMR of EC.

FIG. 38A



^1H -NMR of neomycin

FIG. 38B



^1H -NMR of EC-neomycin

FIG. 38C

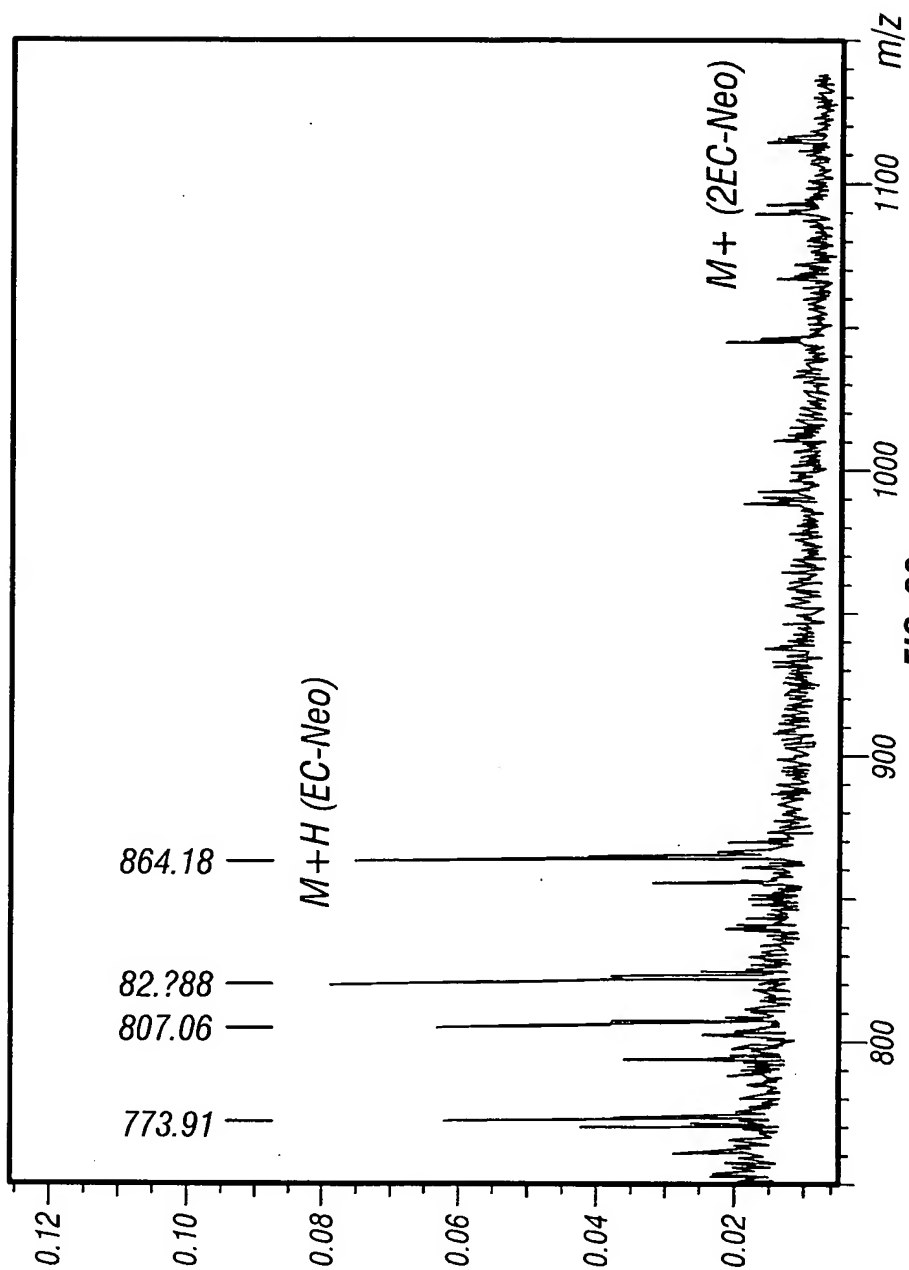


FIG. 39

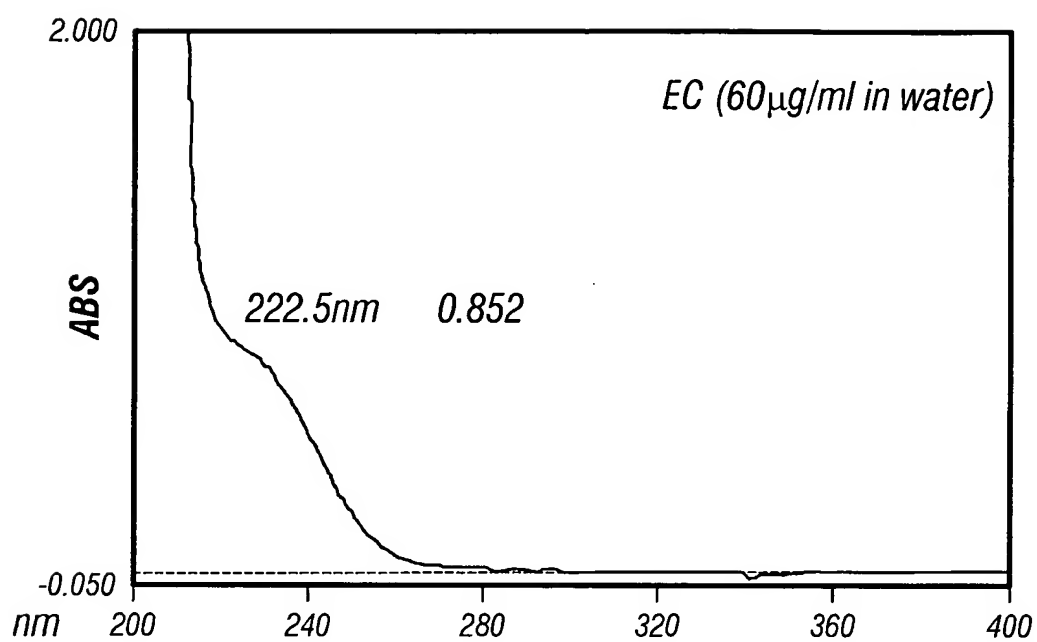


FIG. 40A

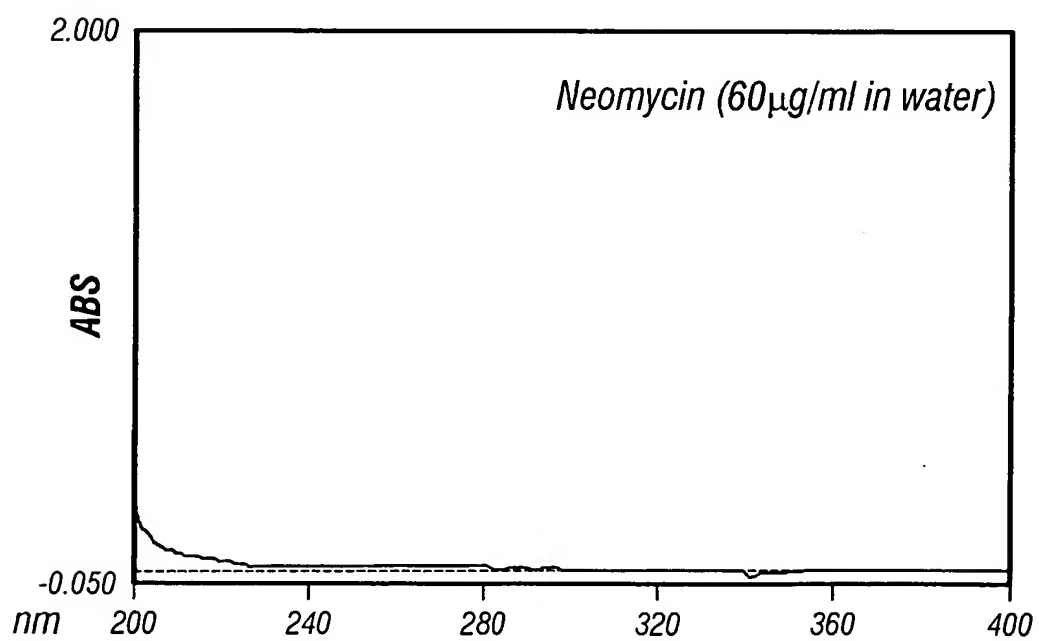


FIG. 40B

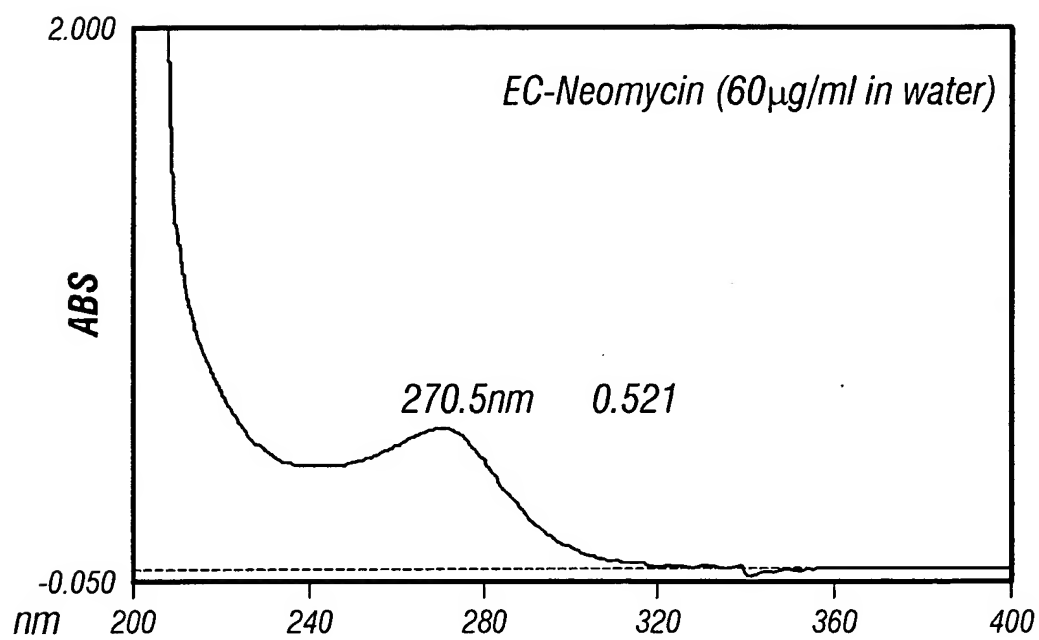


FIG. 40C

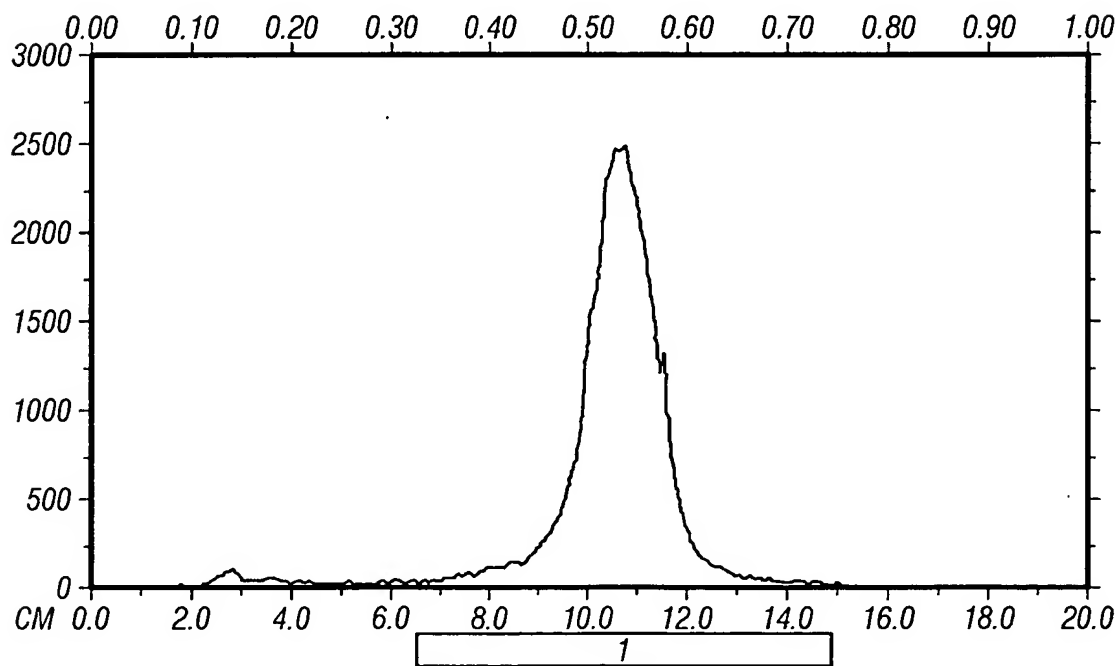


FIG. 41

^{99m}Tc -EC-NEO

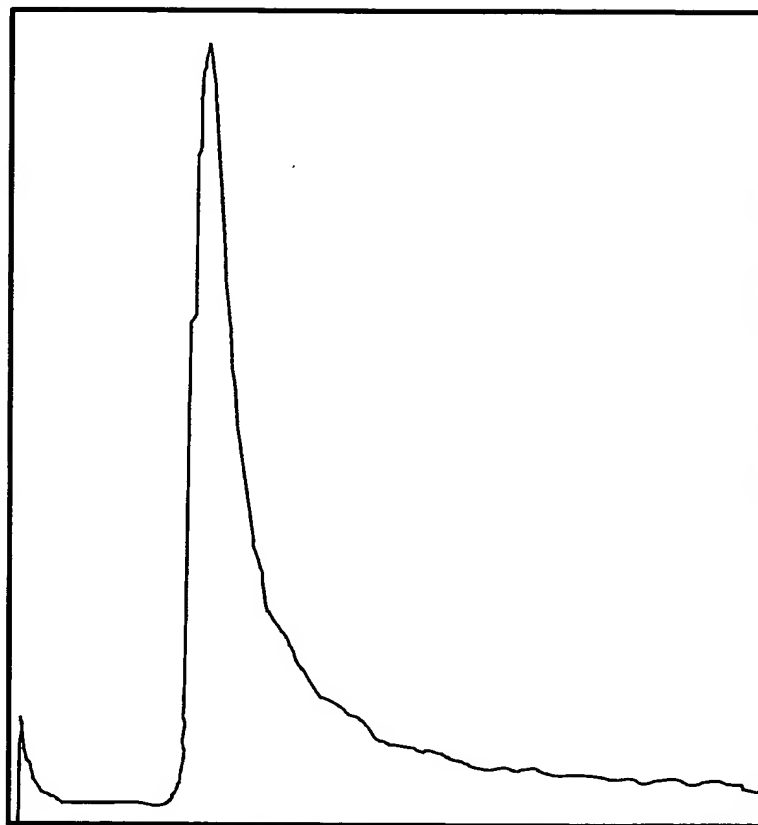


FIG. 42

$^{99m}\text{Tc-EC-NEO}$

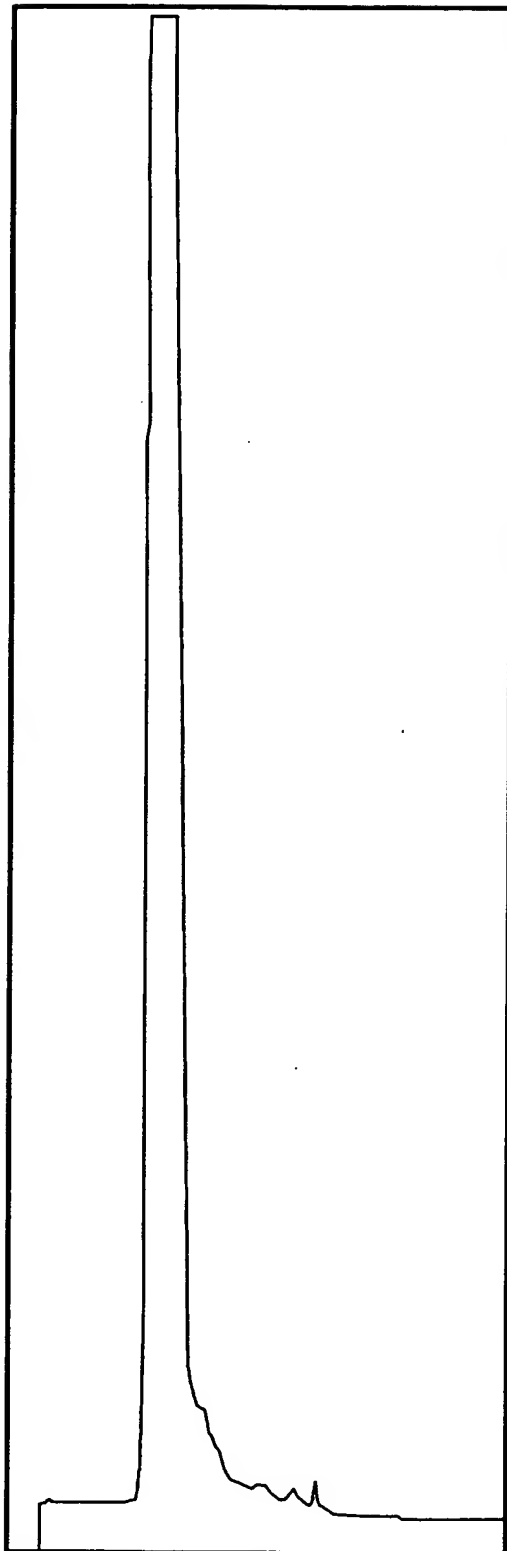


FIG. 43

$^{18}\text{F-FDG}$

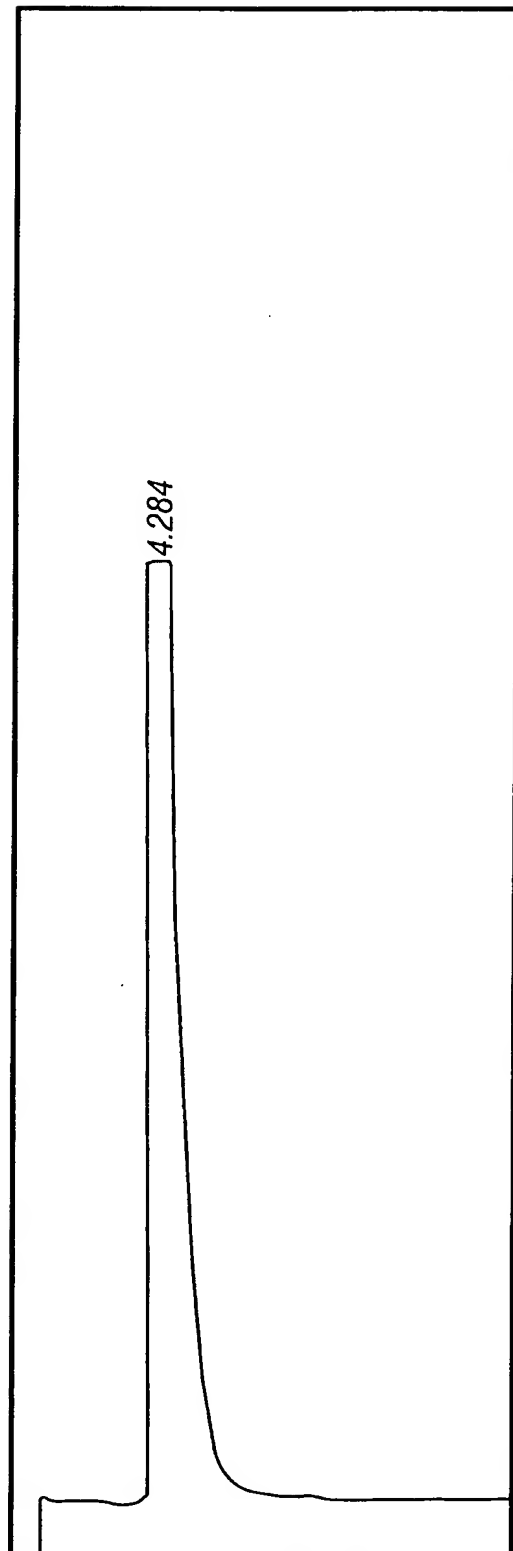


FIG. 44

^{18}F -FDG

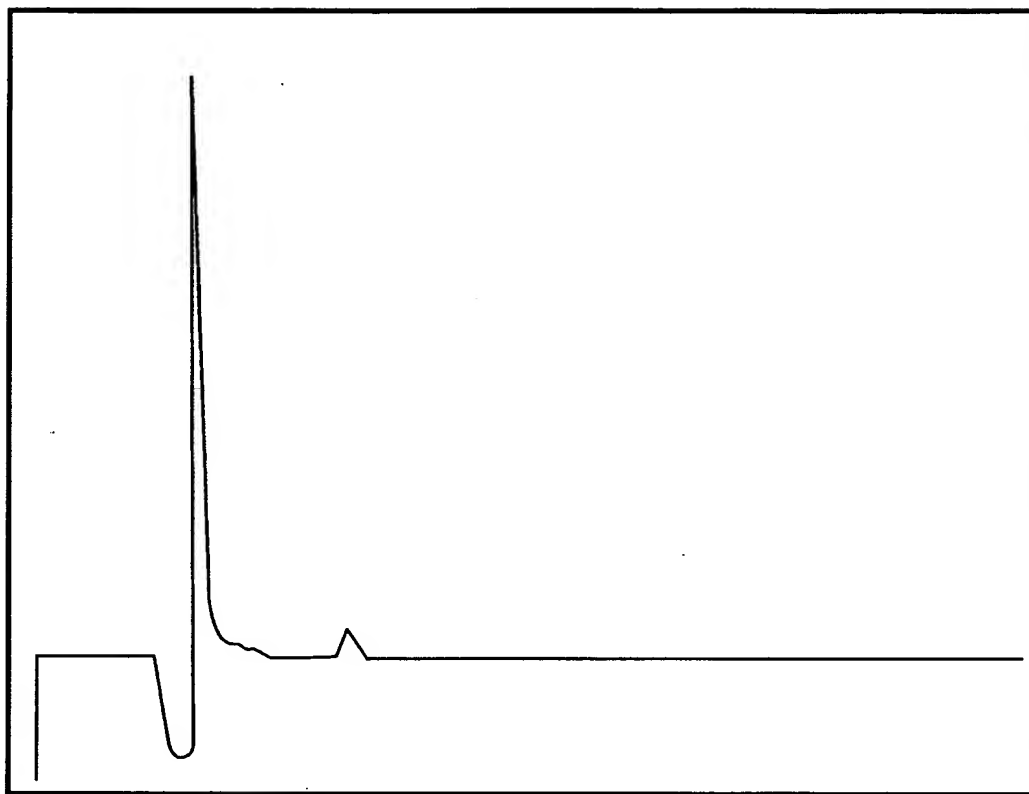


FIG. 45

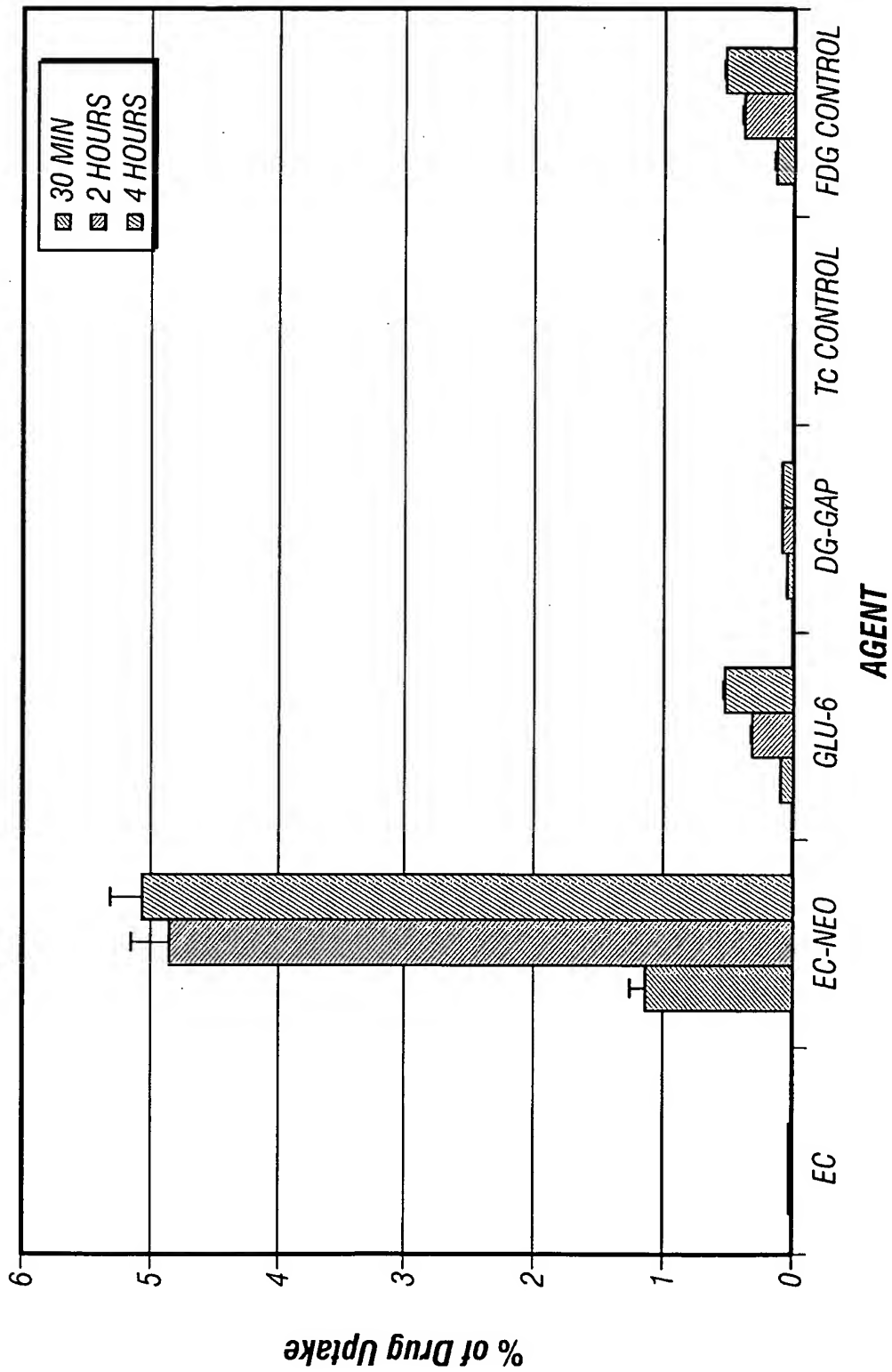


FIG. 46

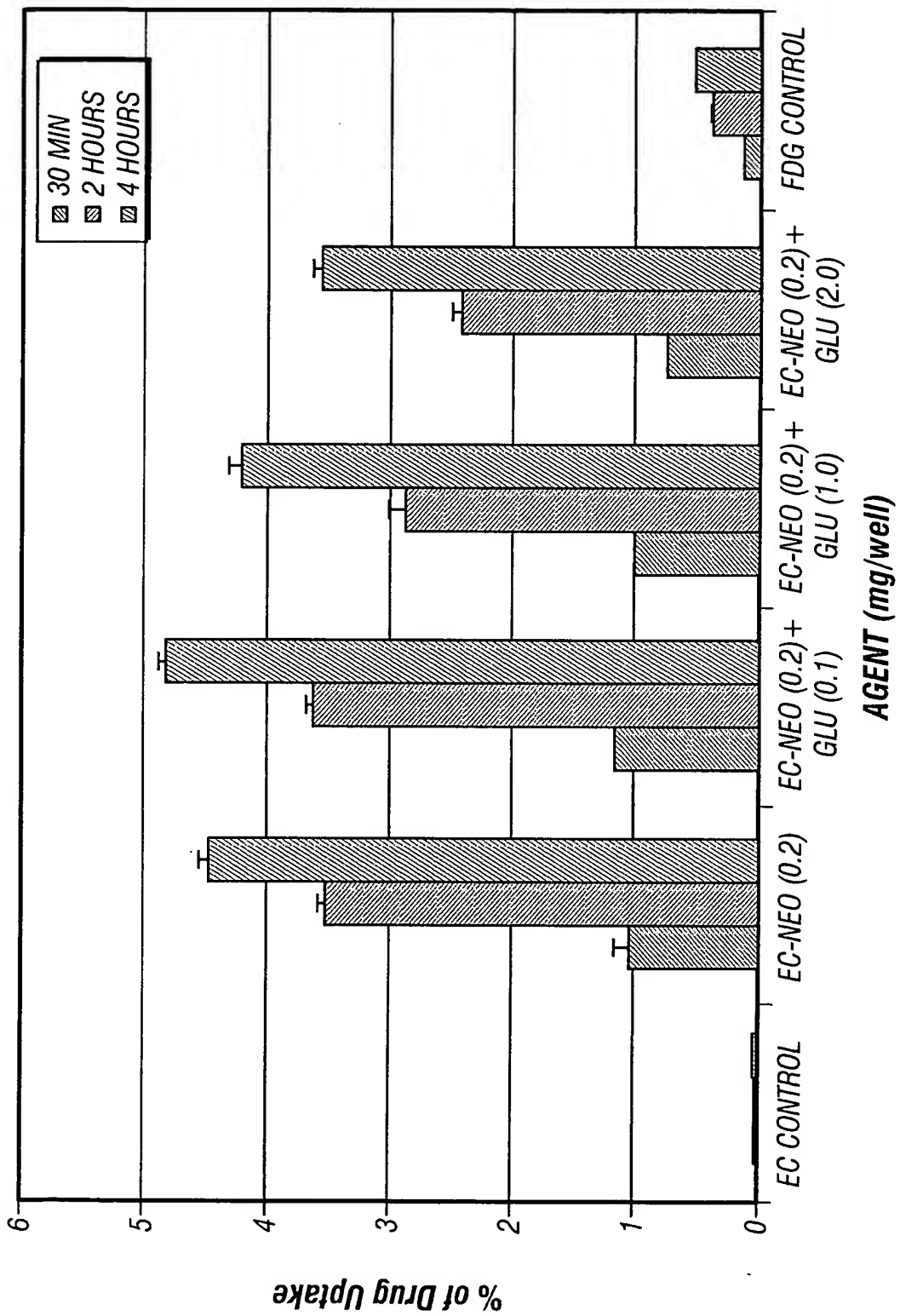


FIG. 47

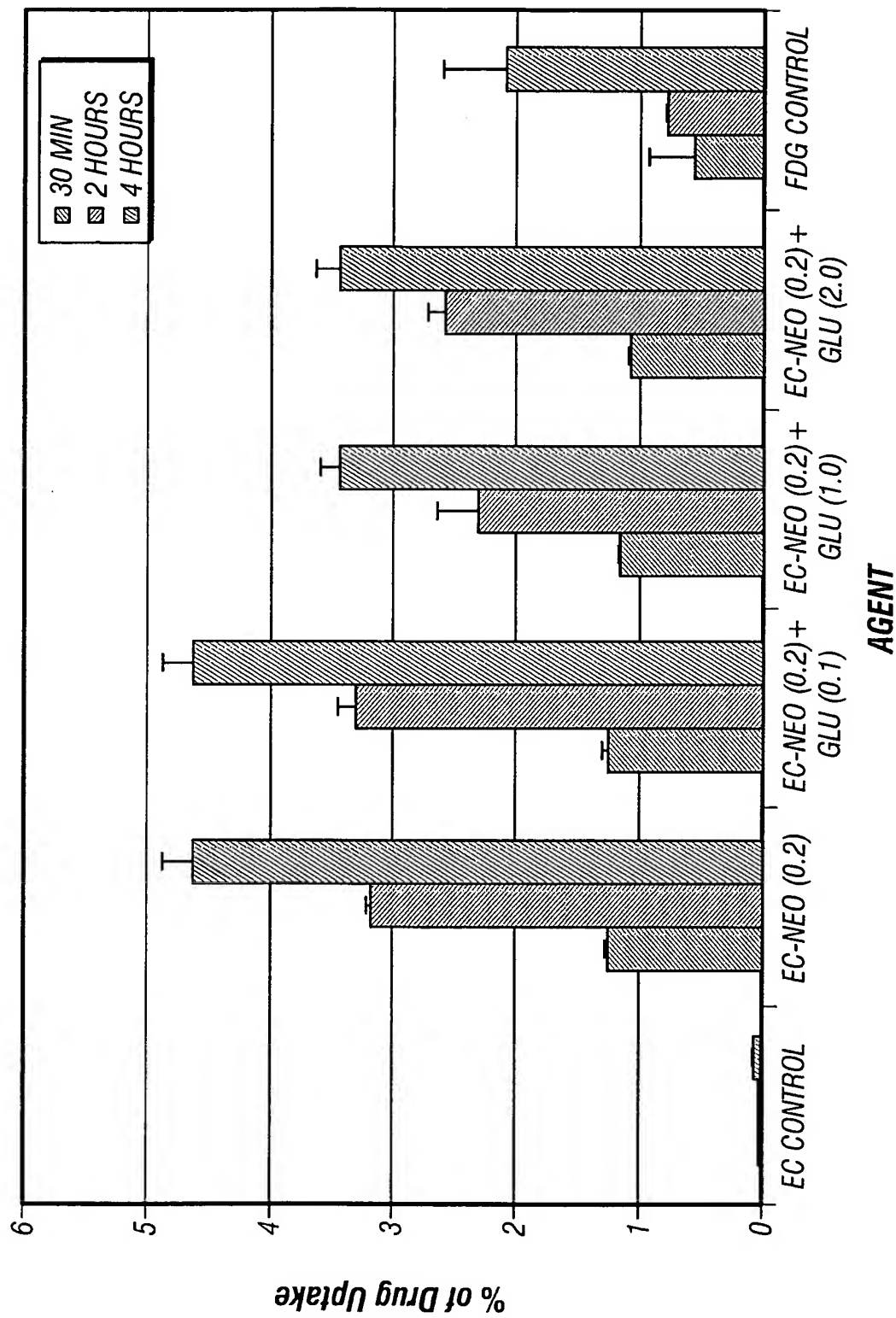
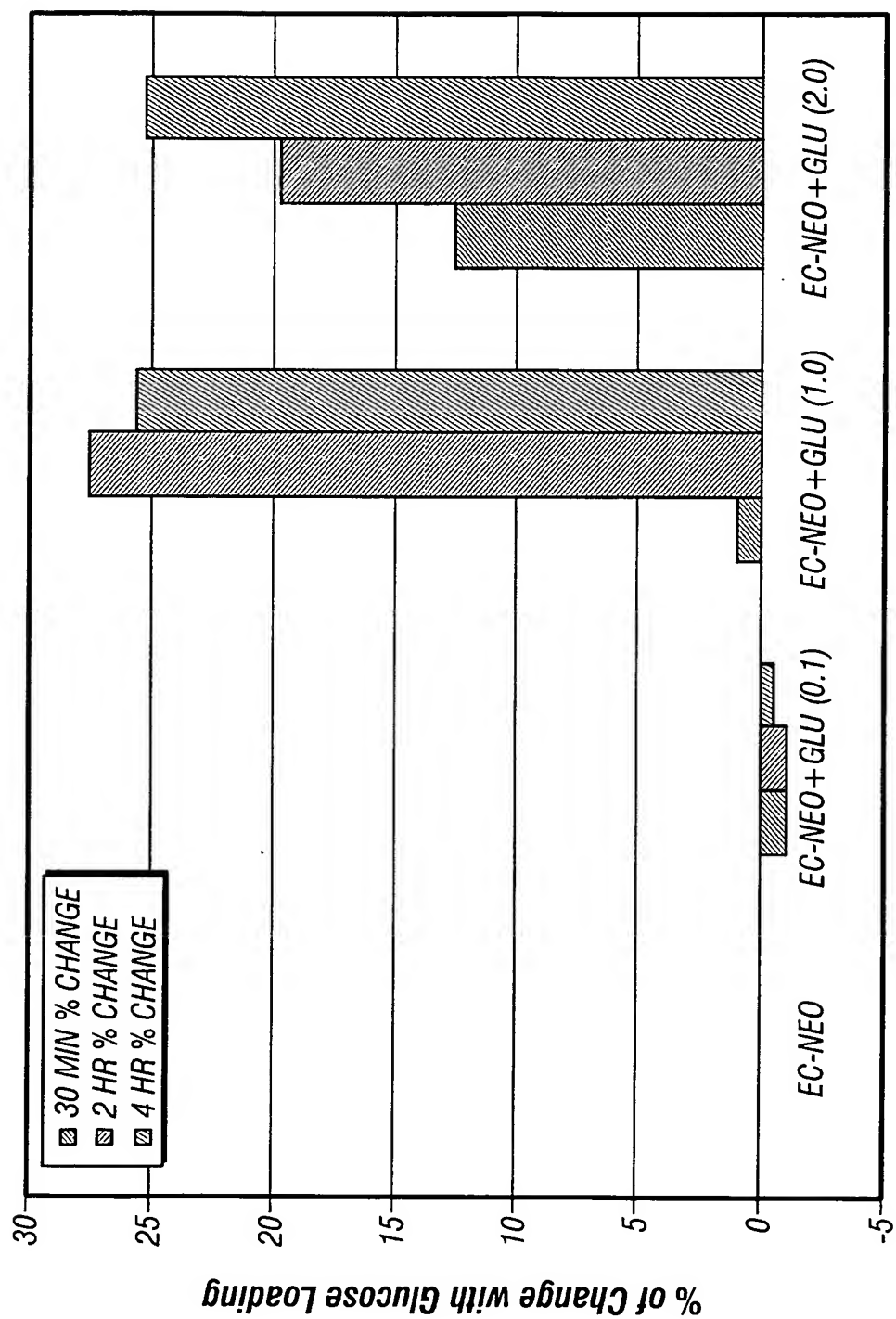


FIG. 48A



AGENT (dose)
FIG. 48B

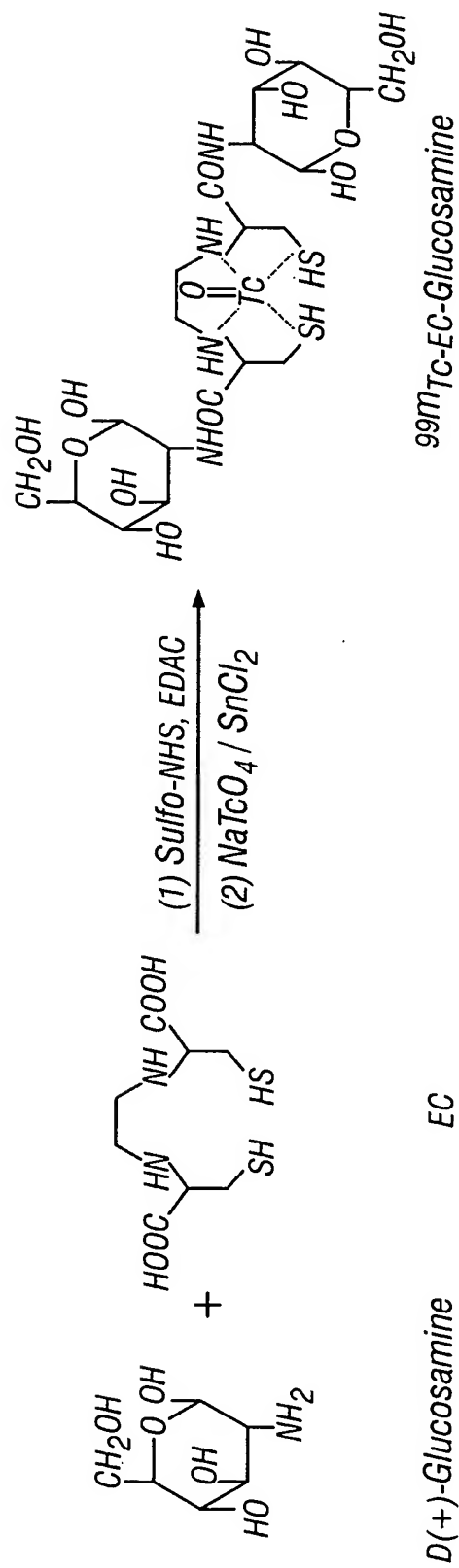


FIG. 49

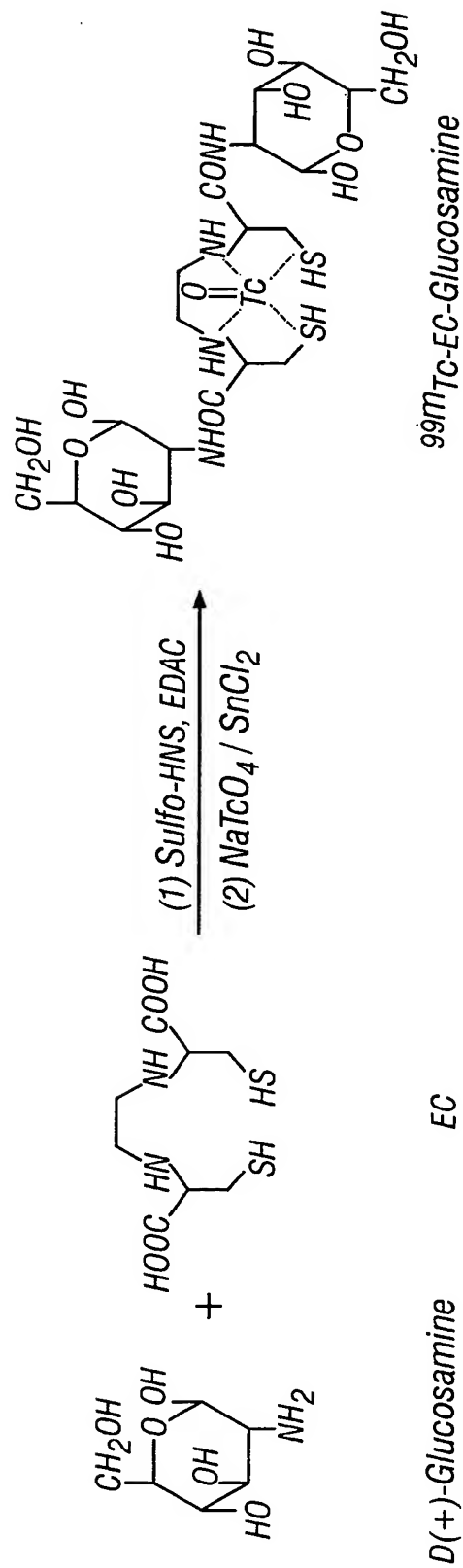


FIG. 59

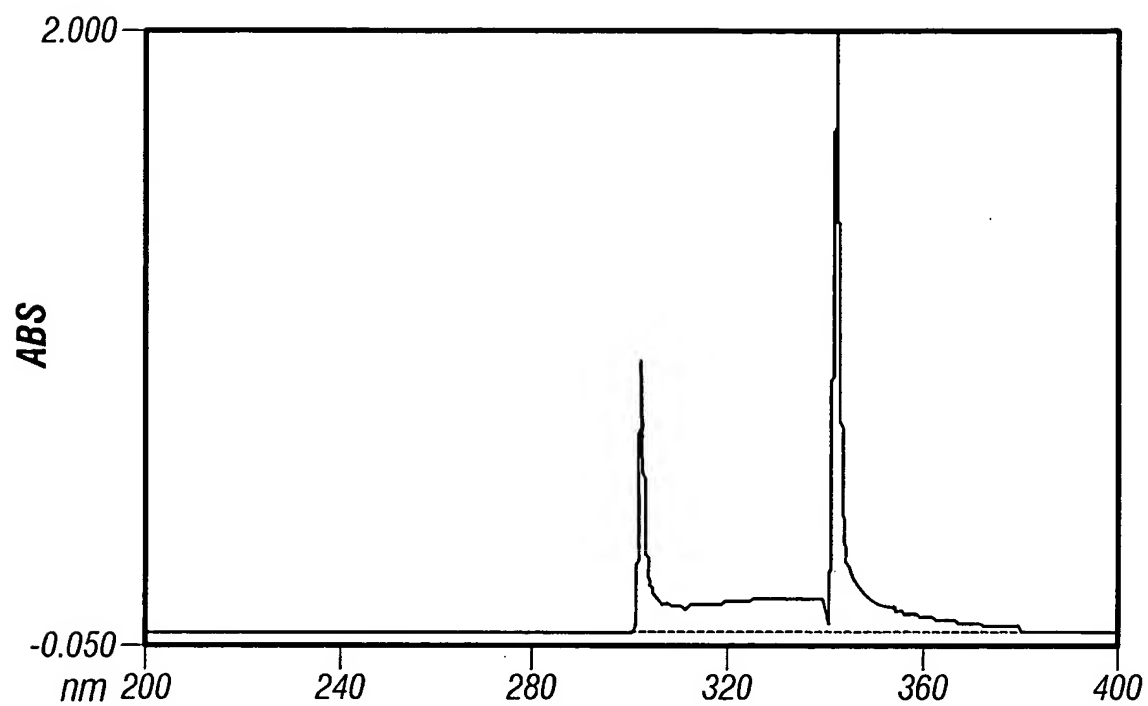


FIG. 50

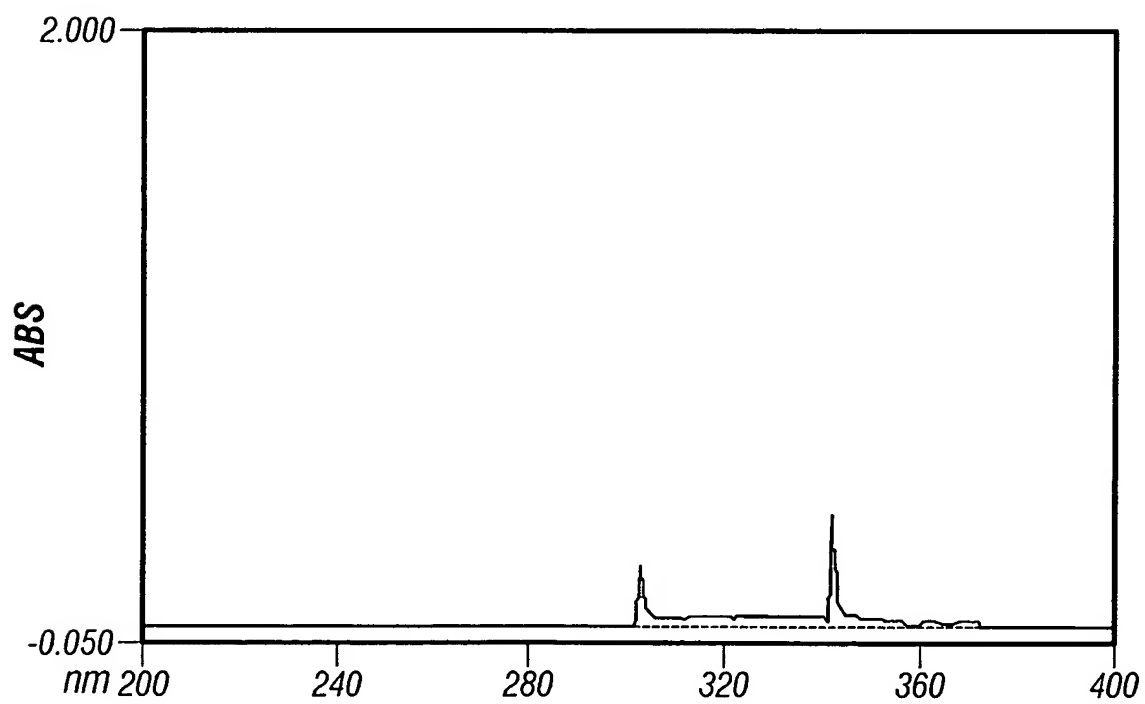


FIG. 51

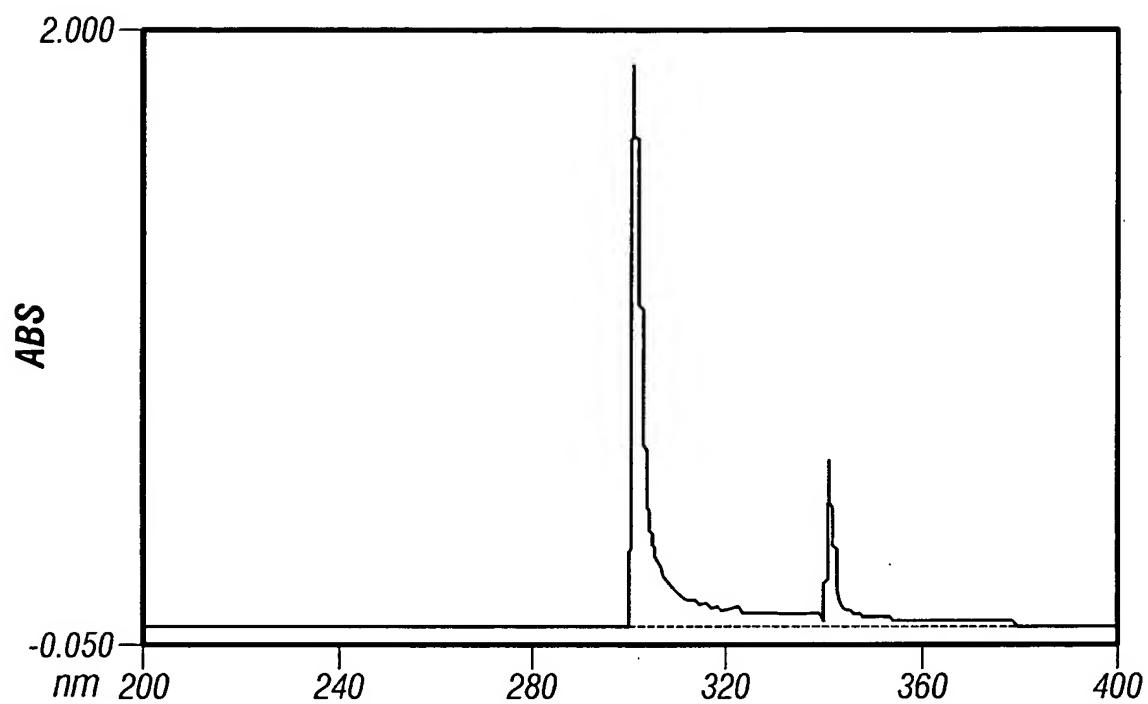


FIG. 52

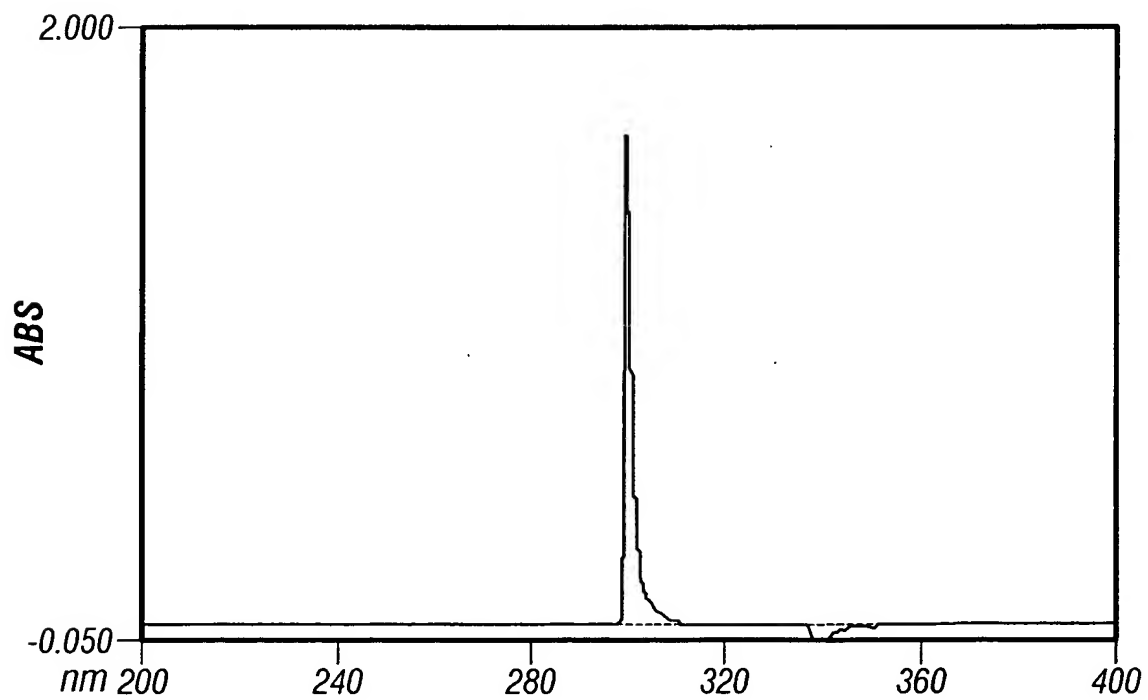


FIG. 53

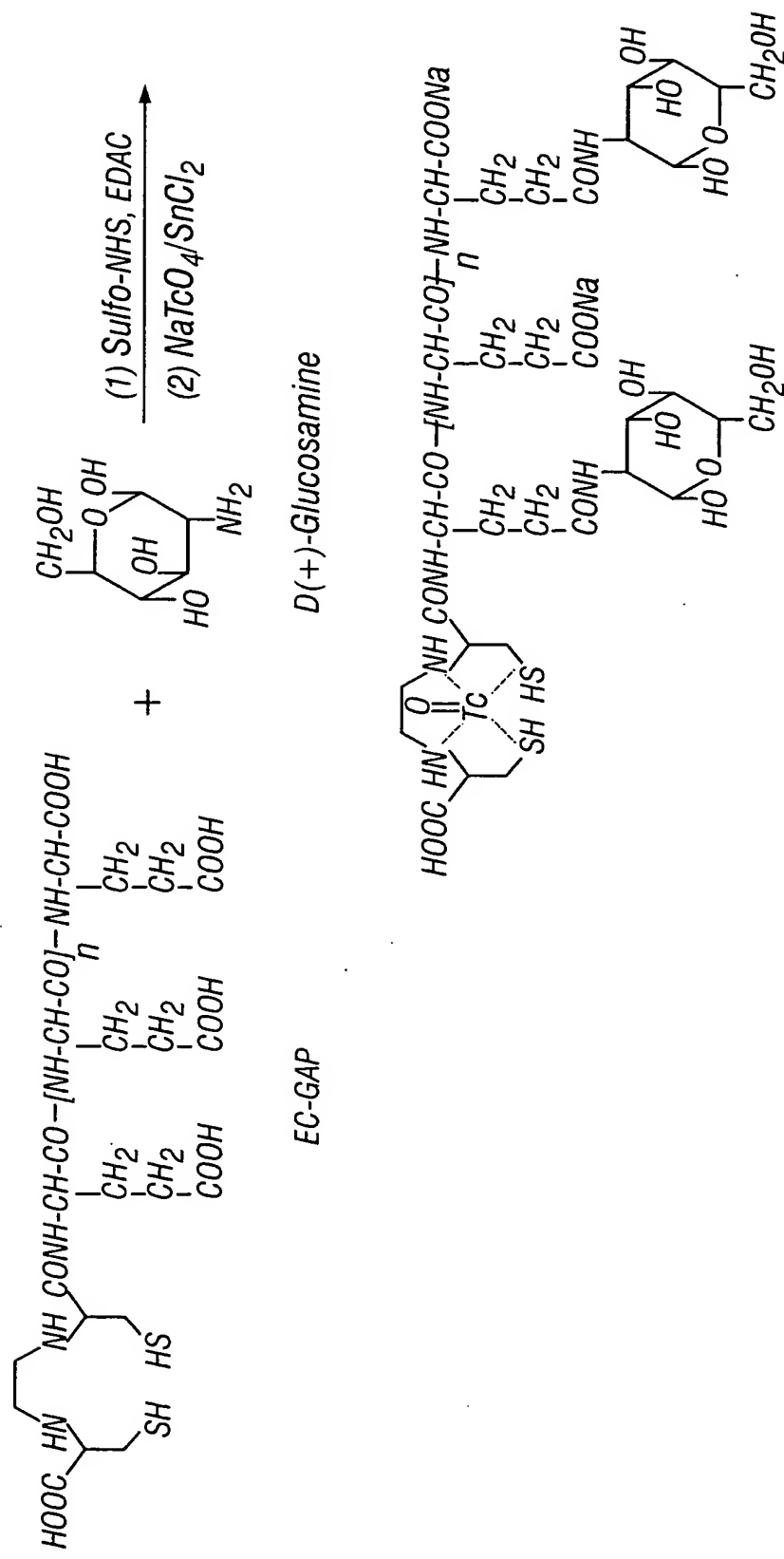
 $^{99m}\text{Tc-EC-GAP-Glucosamine}$

FIG. 54

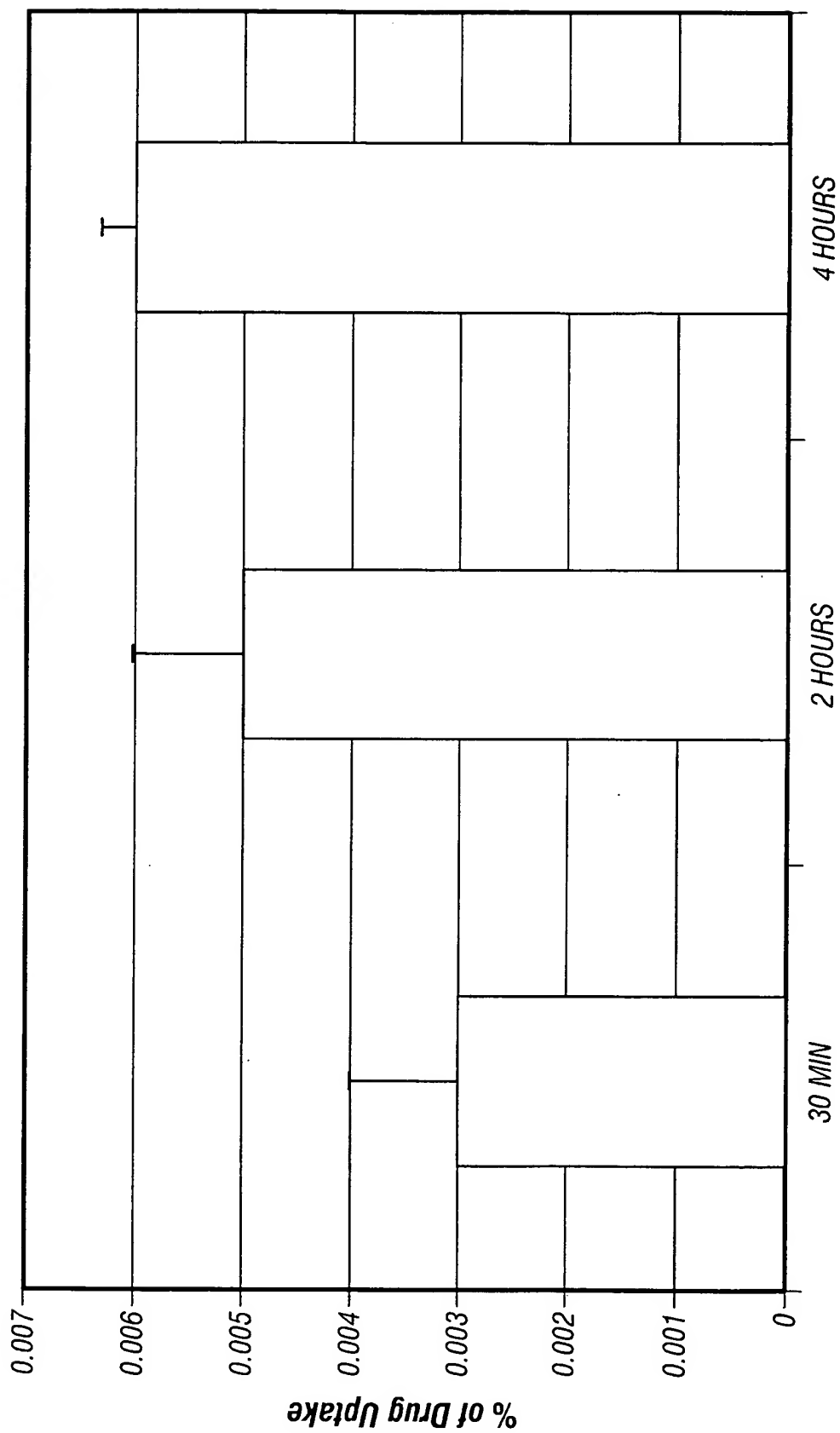
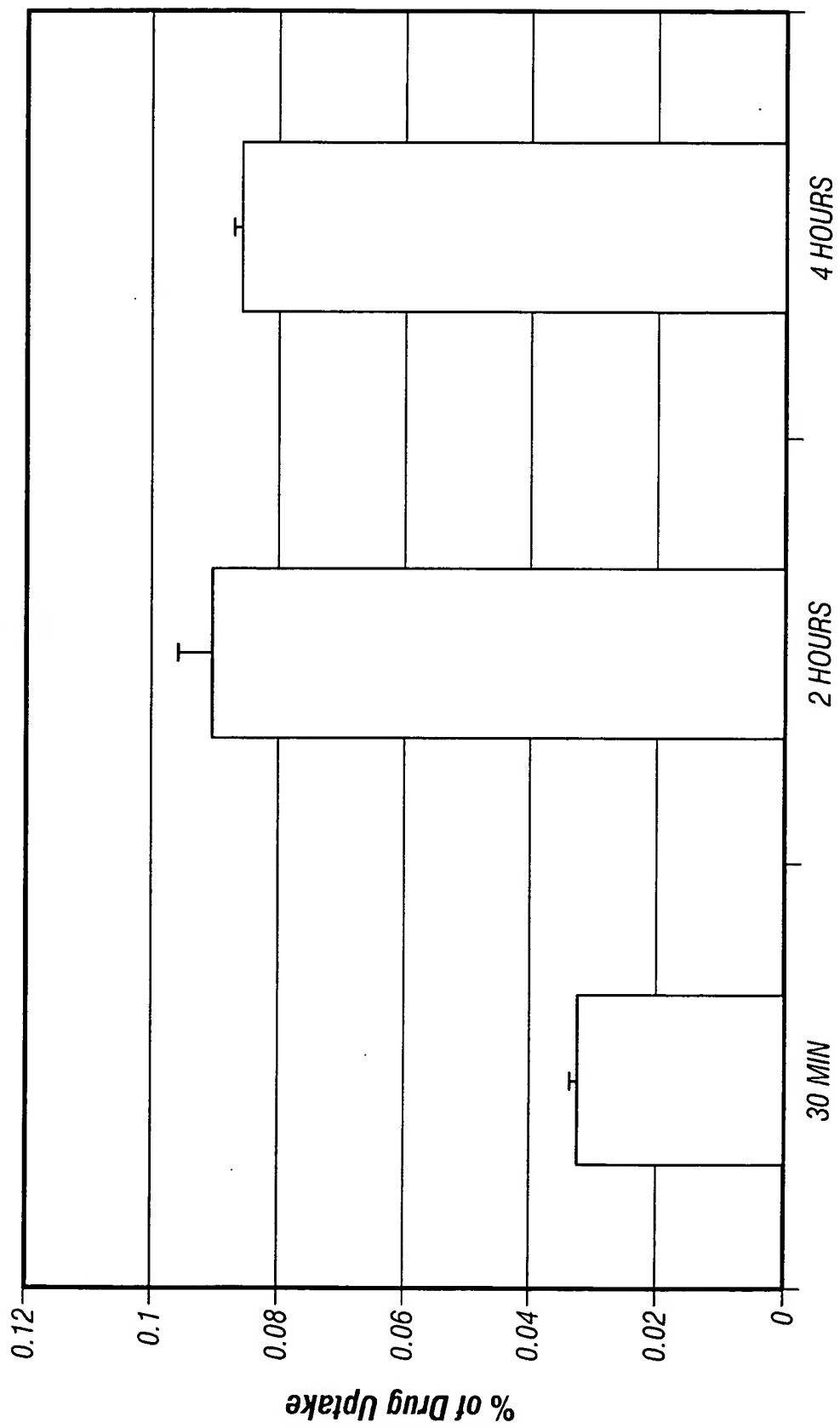
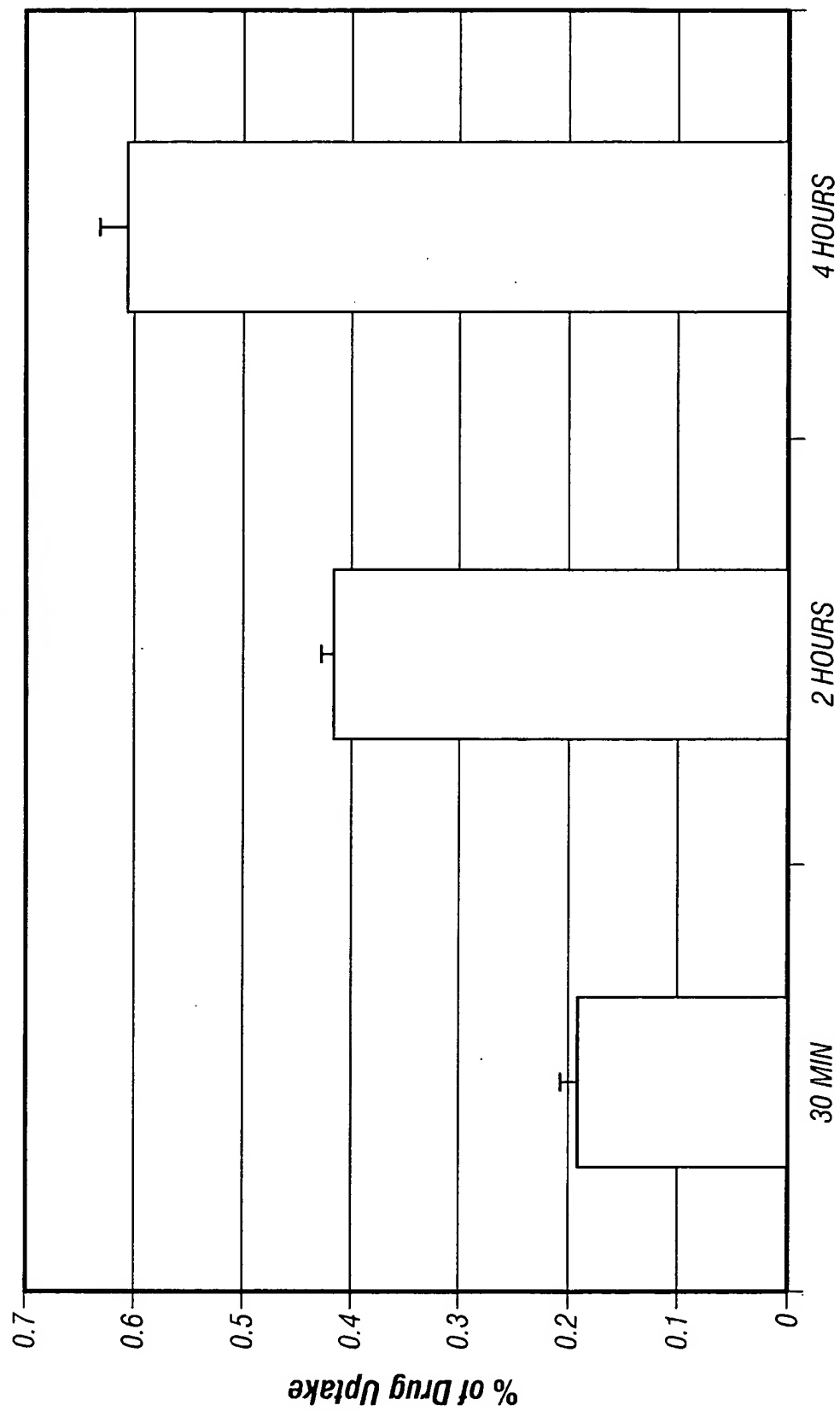


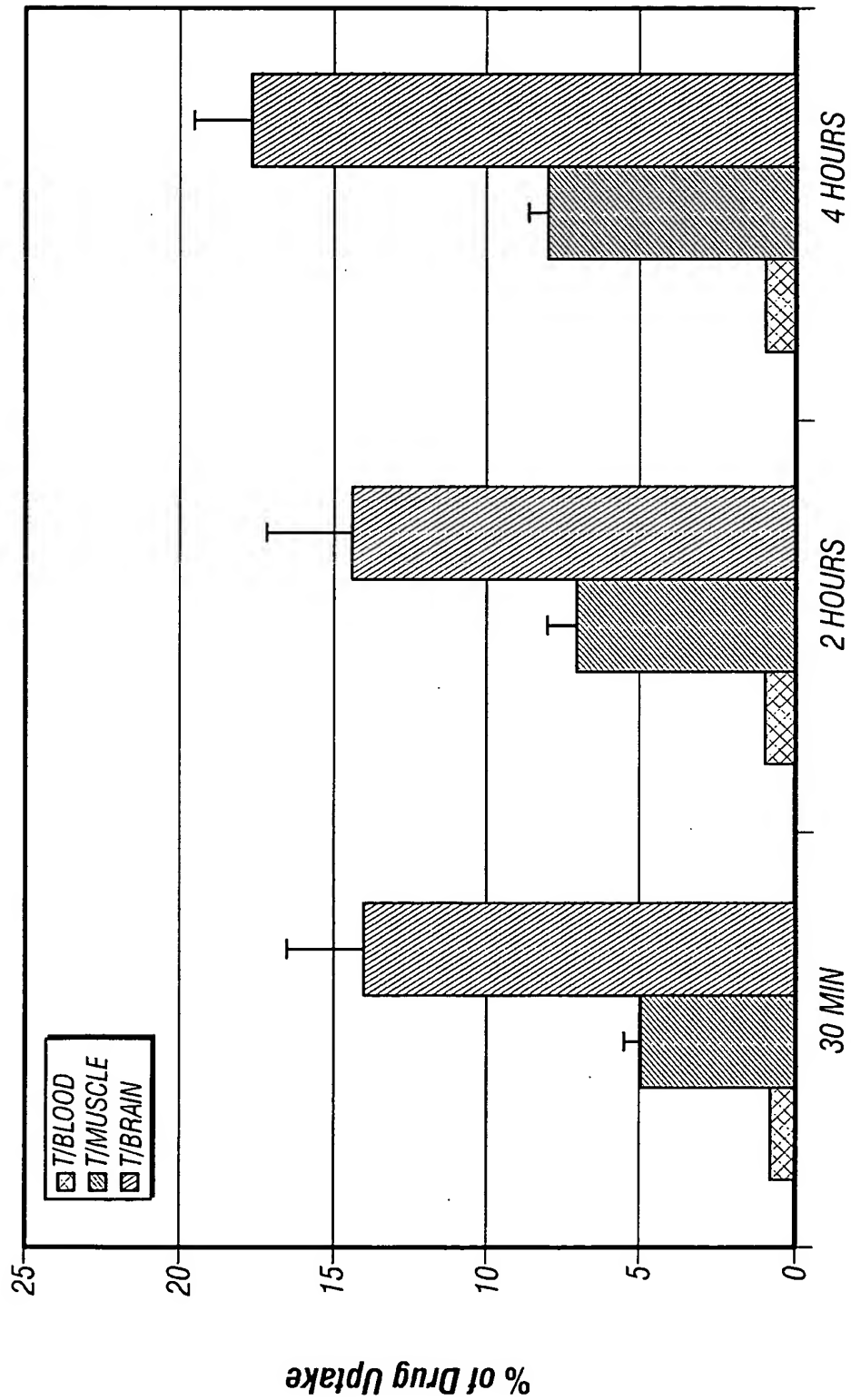
FIG. 55A



TIME
FIG. 55B

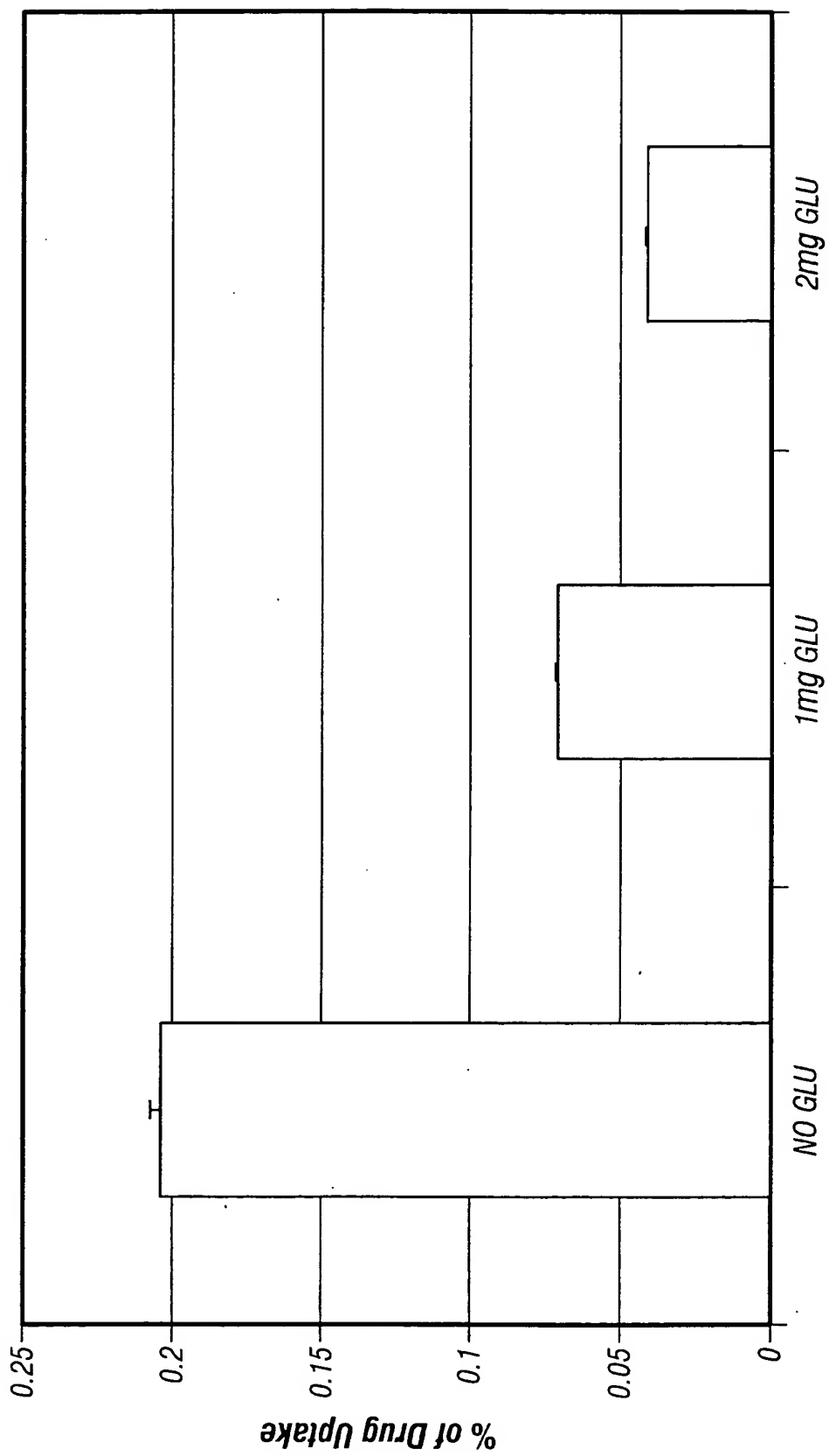


TIME
FIG. 55C



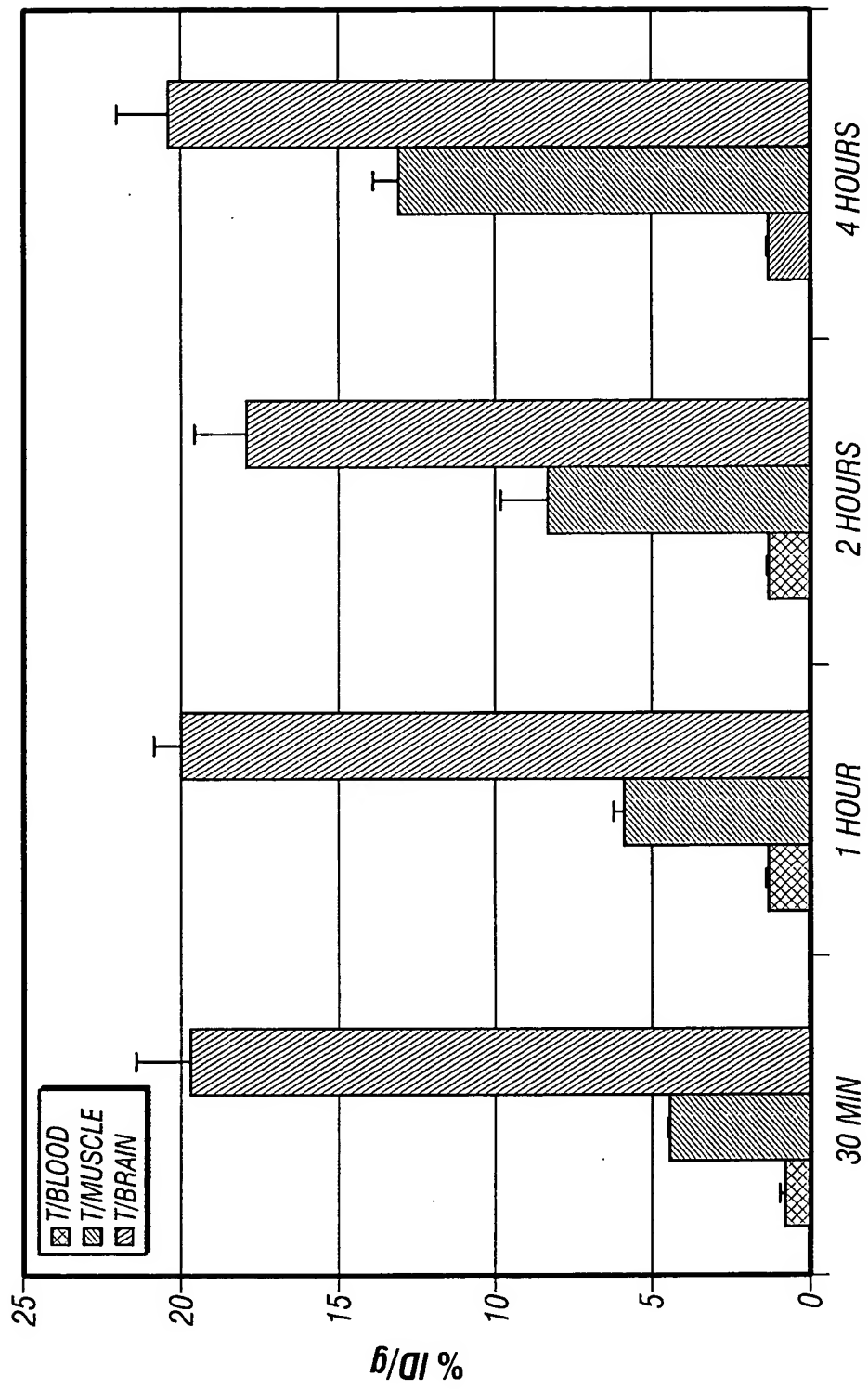
TIME

FIG. 56



GLUCOSE DOSAGE

FIG. 57



TIME
FIG. 58

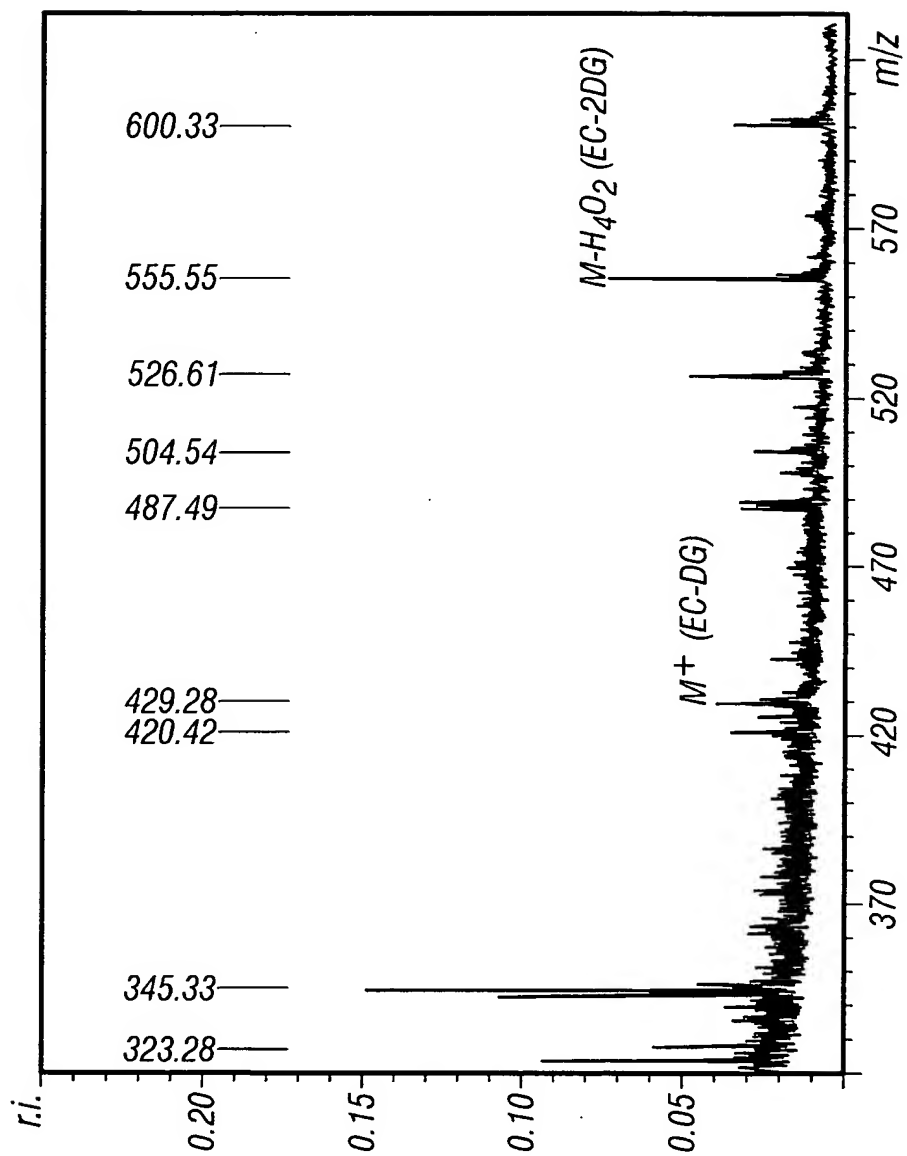


FIG. 60

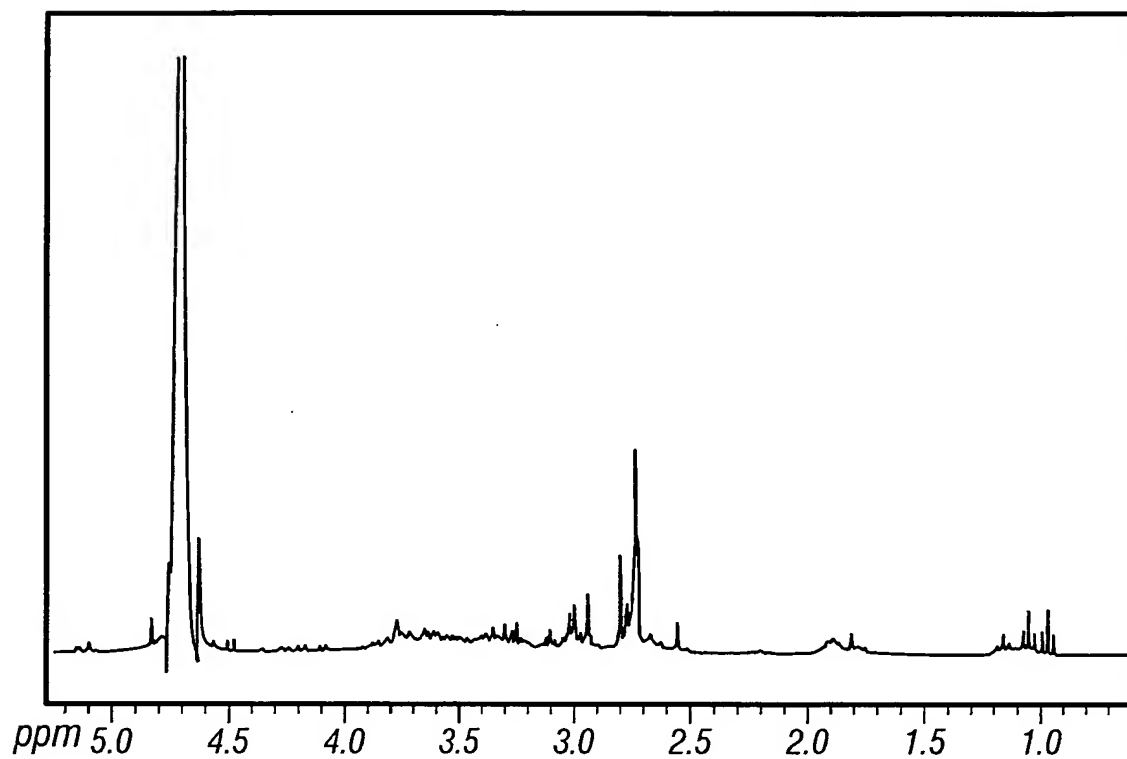


FIG. 61

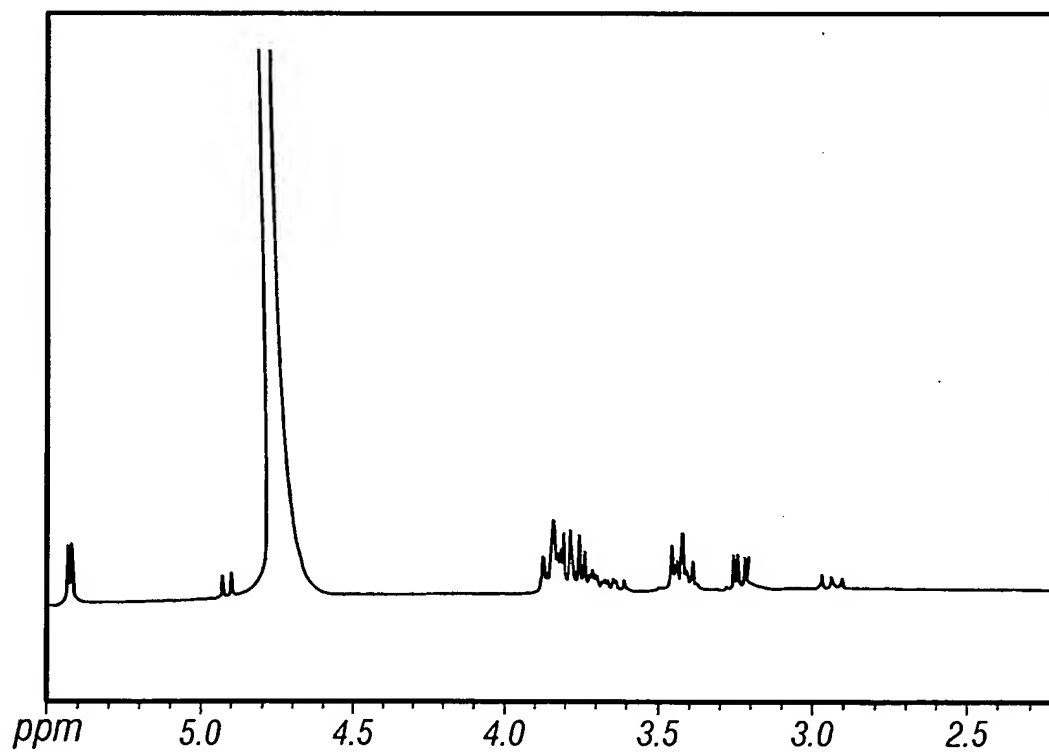


FIG. 62

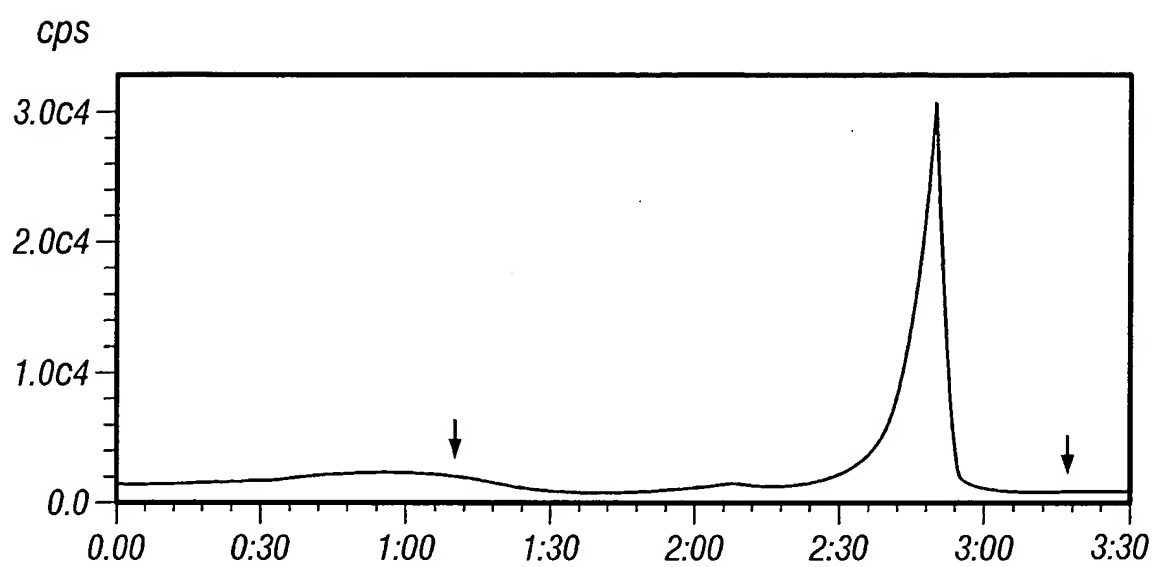


FIG. 63

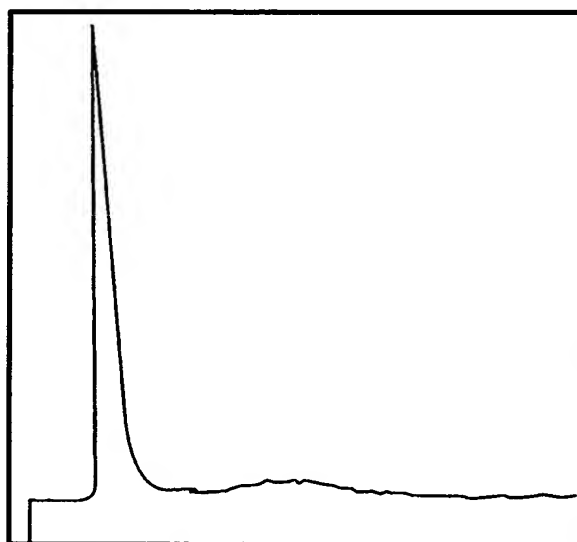


FIG. 64A

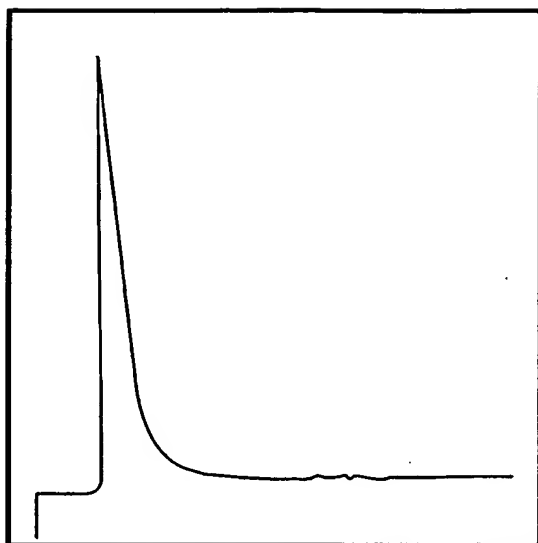


FIG. 64B

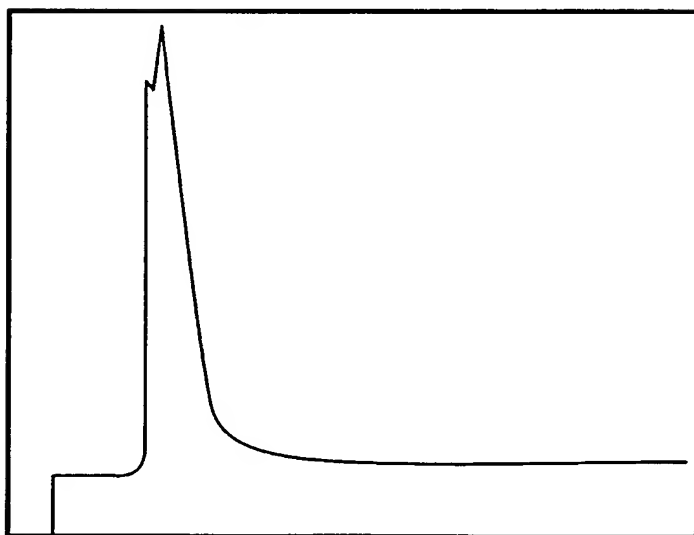


FIG. 65

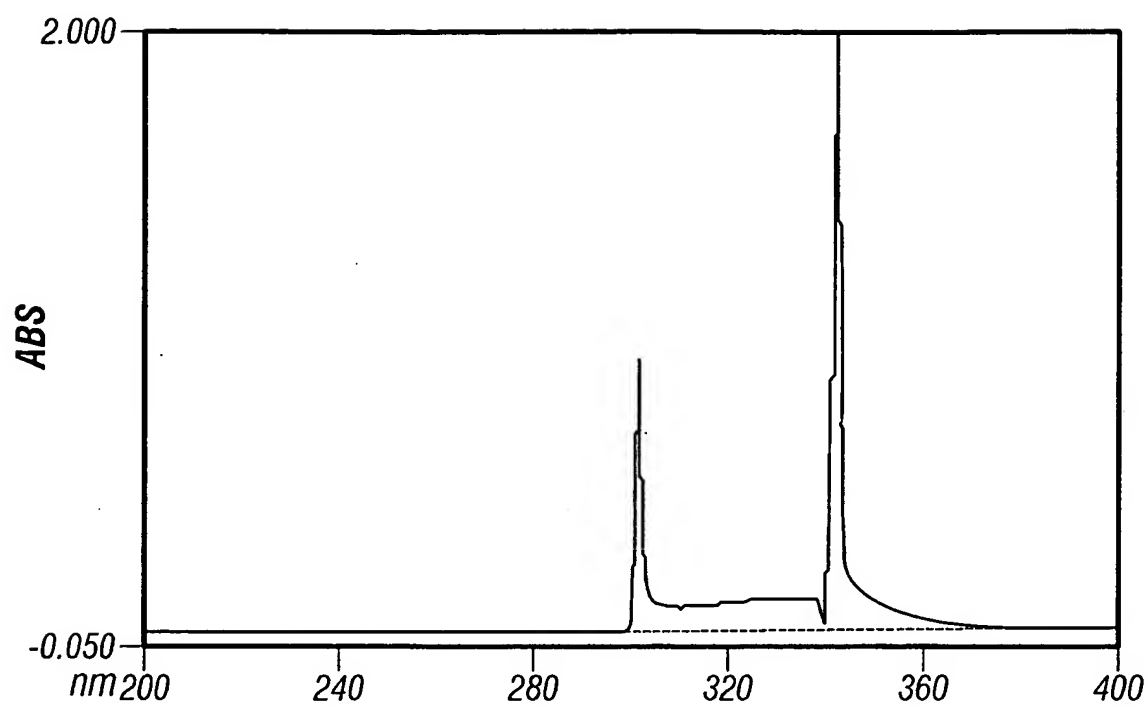


FIG. 66

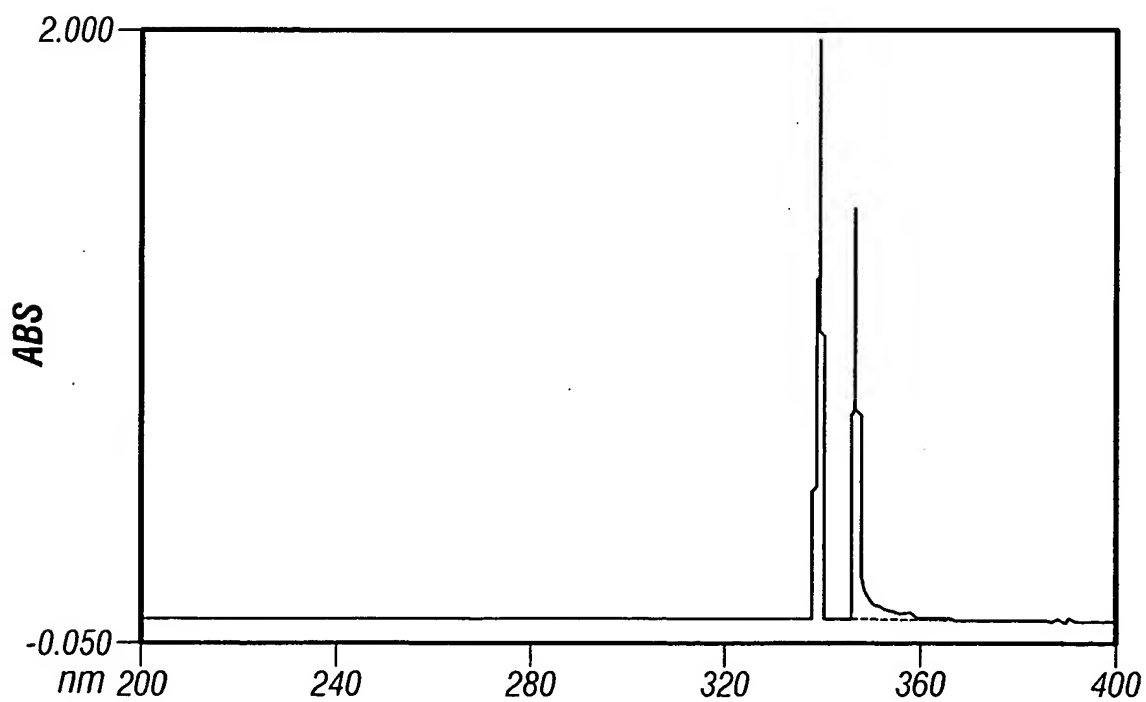


FIG. 67

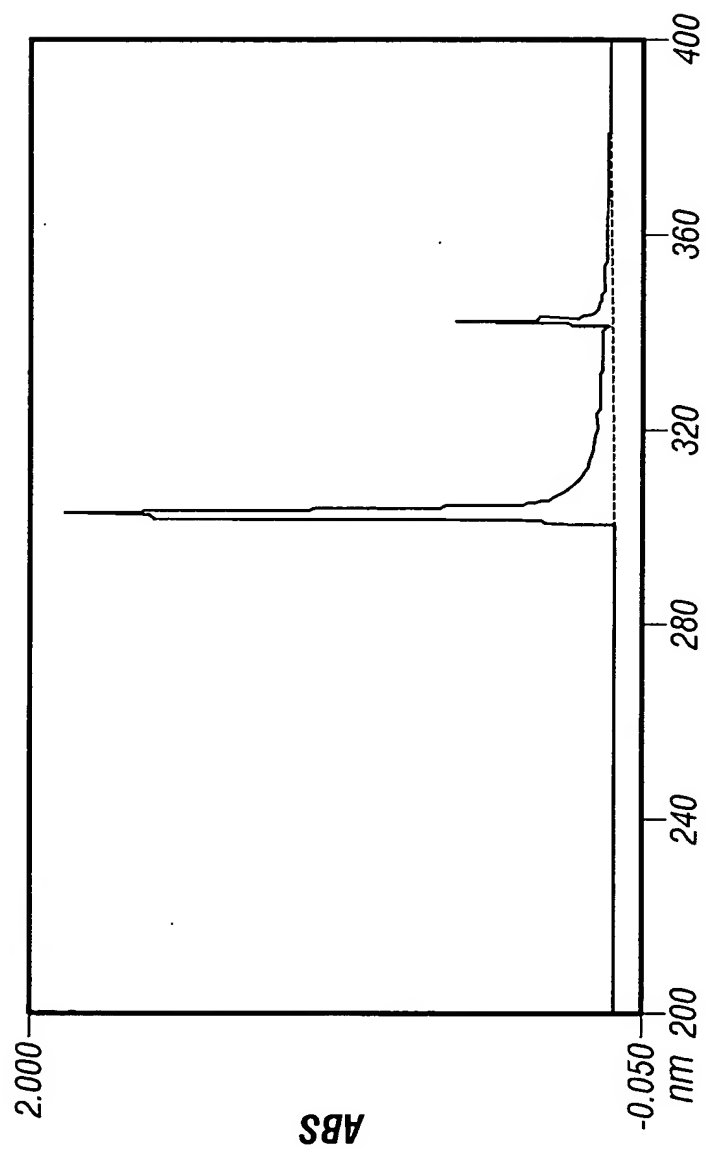


FIG. 68

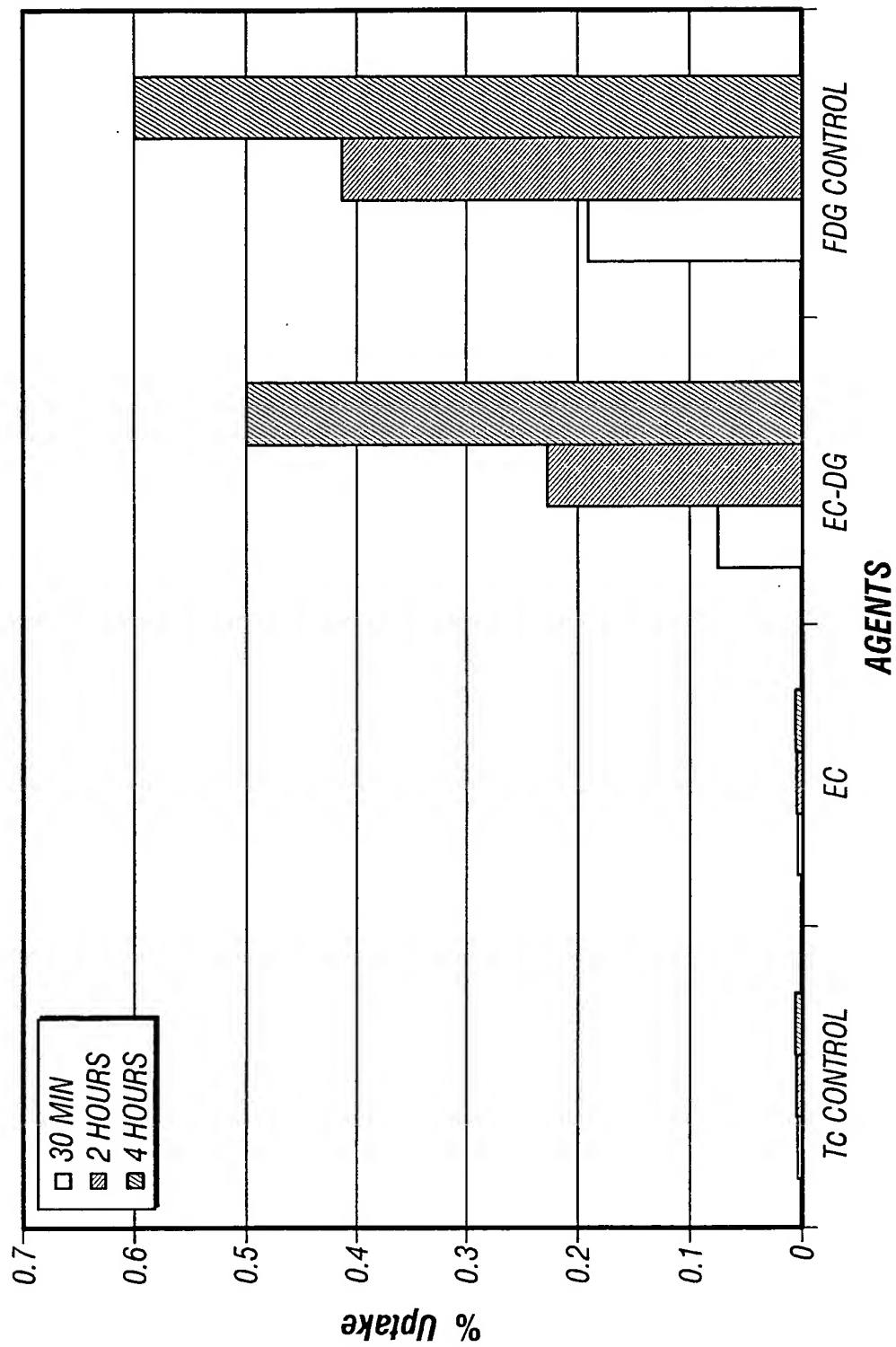
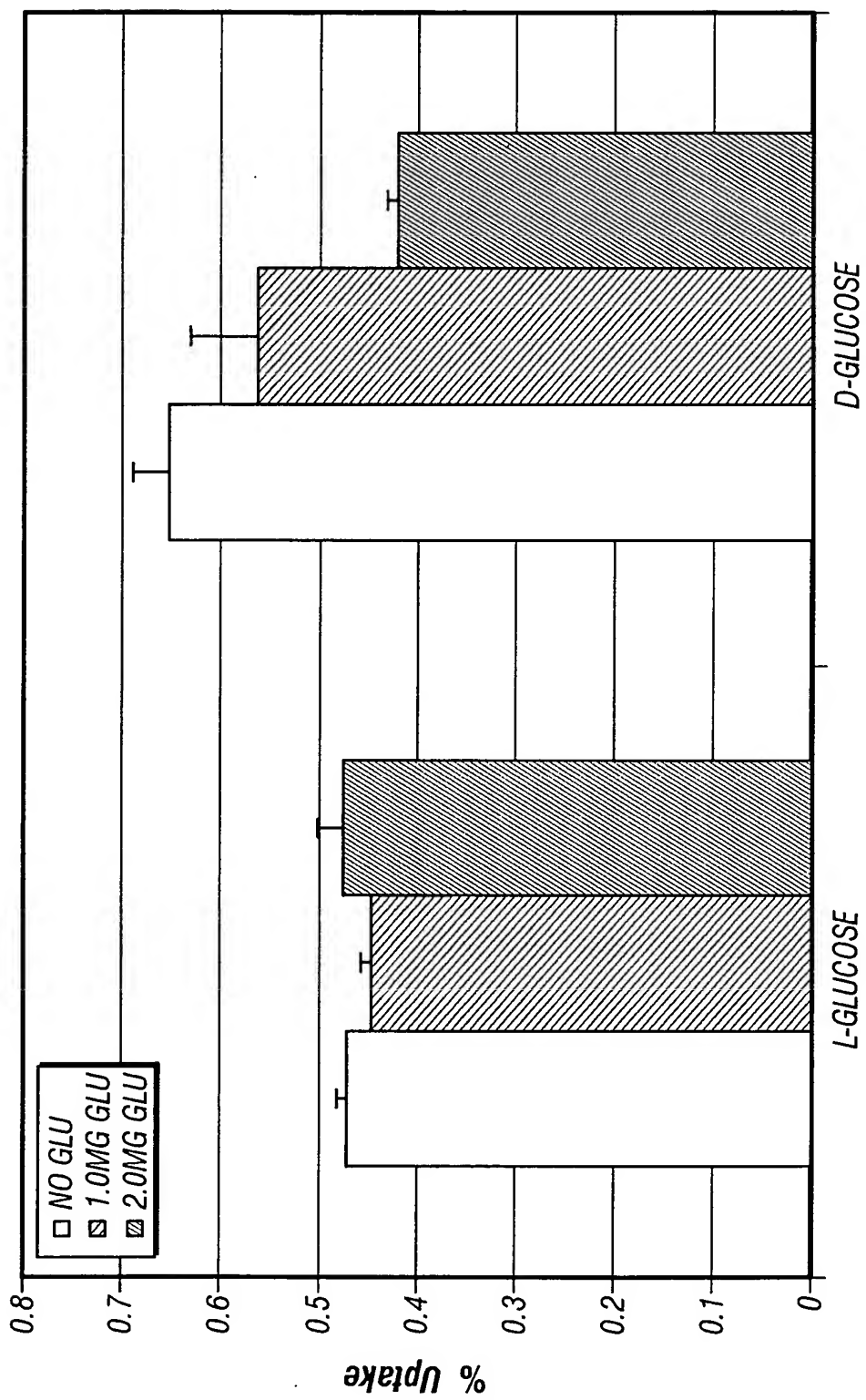
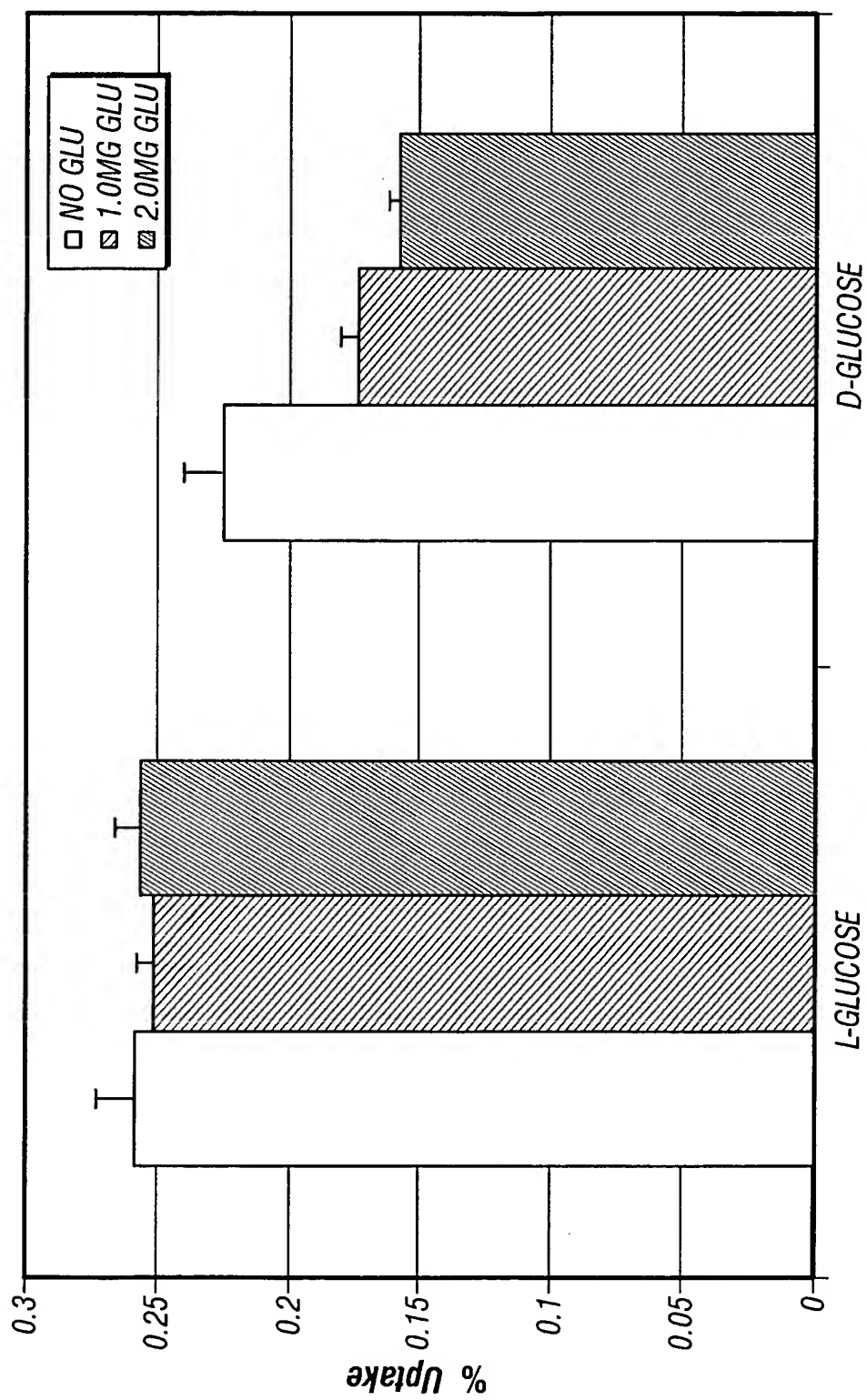


FIG. 69



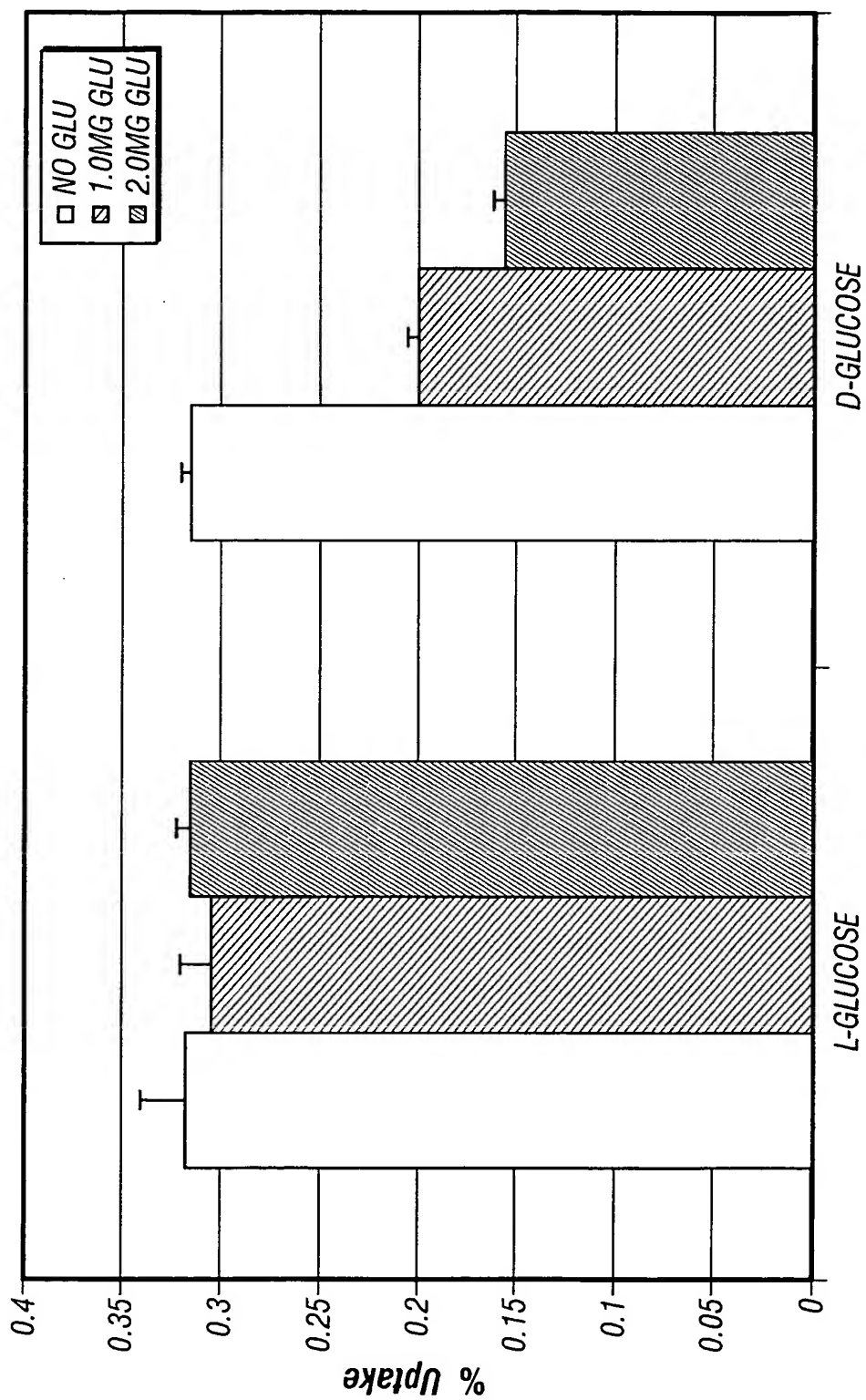
Glucose Isomer

FIG. 70



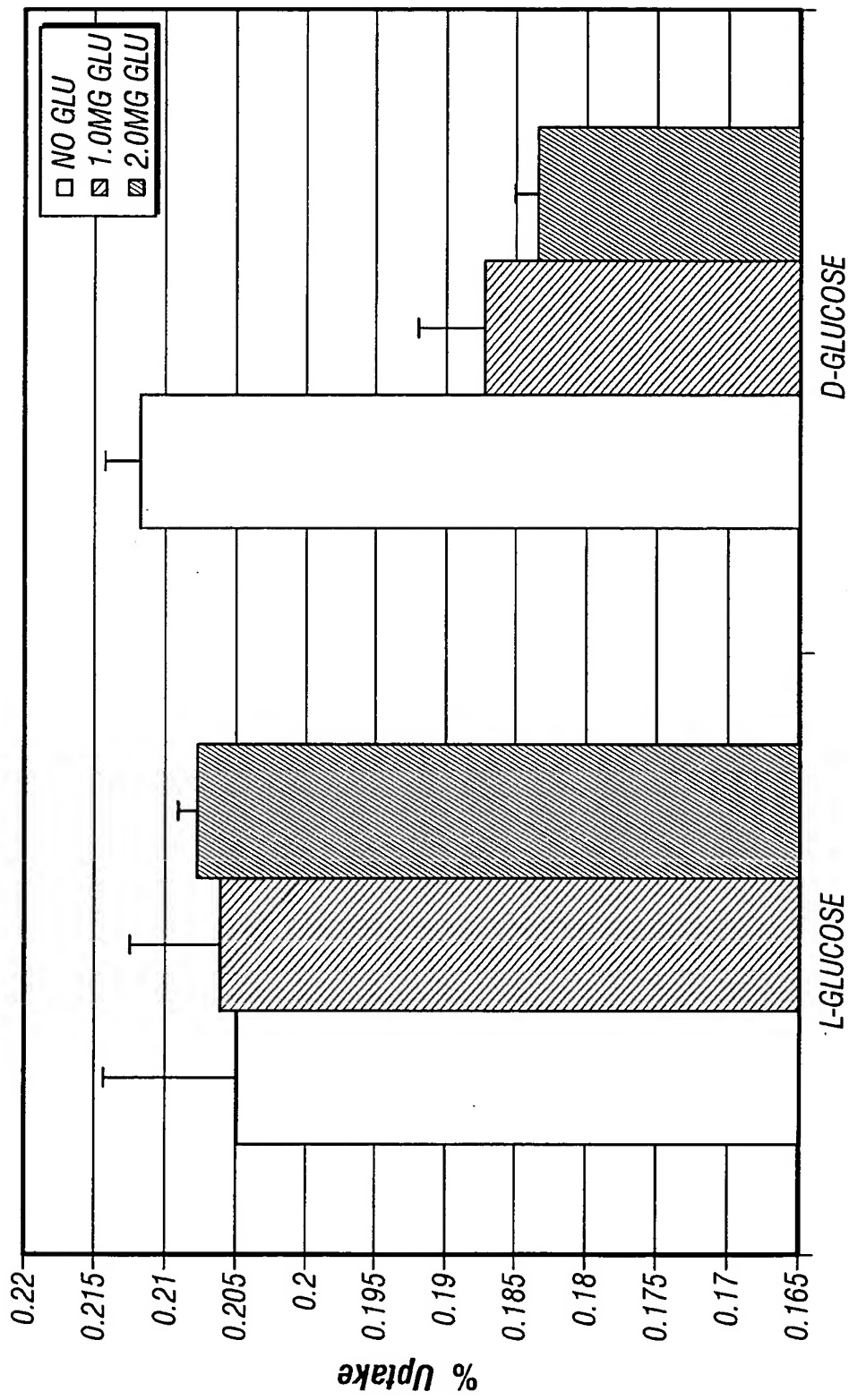
Glucose Isomer

FIG. 71



Glucose Isomer

FIG. 72



Glucose Isomer

FIG. 73

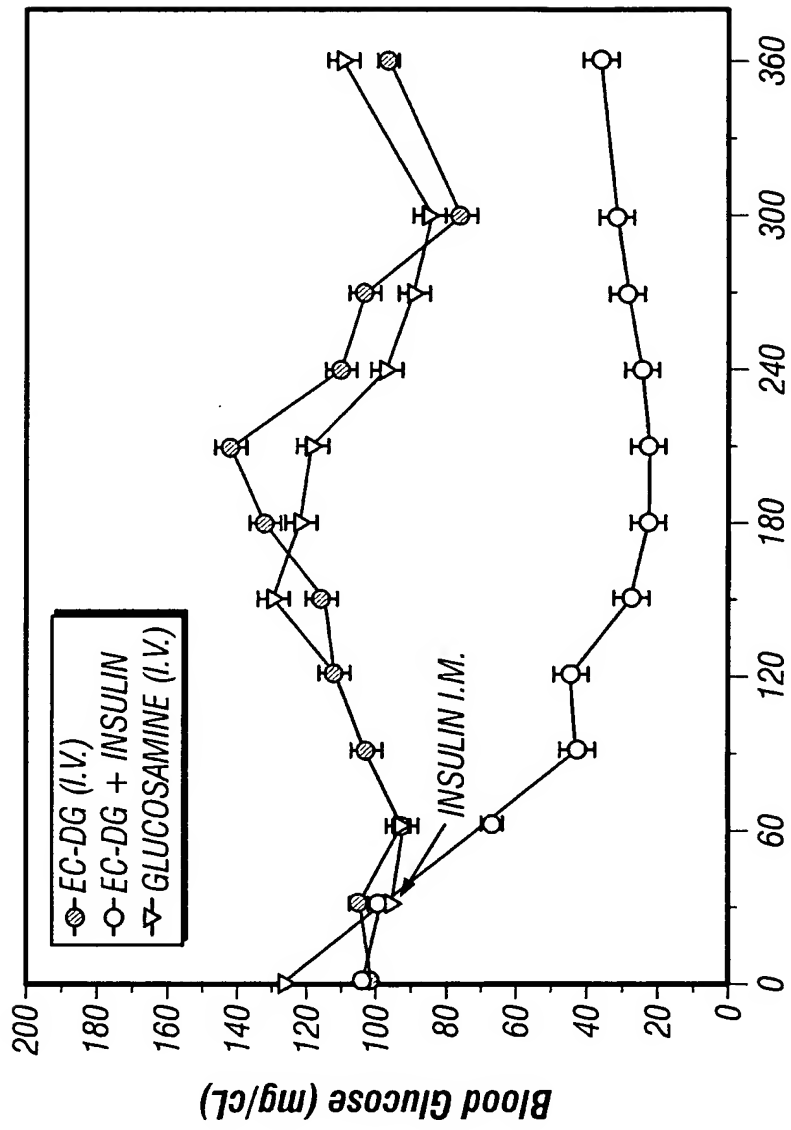
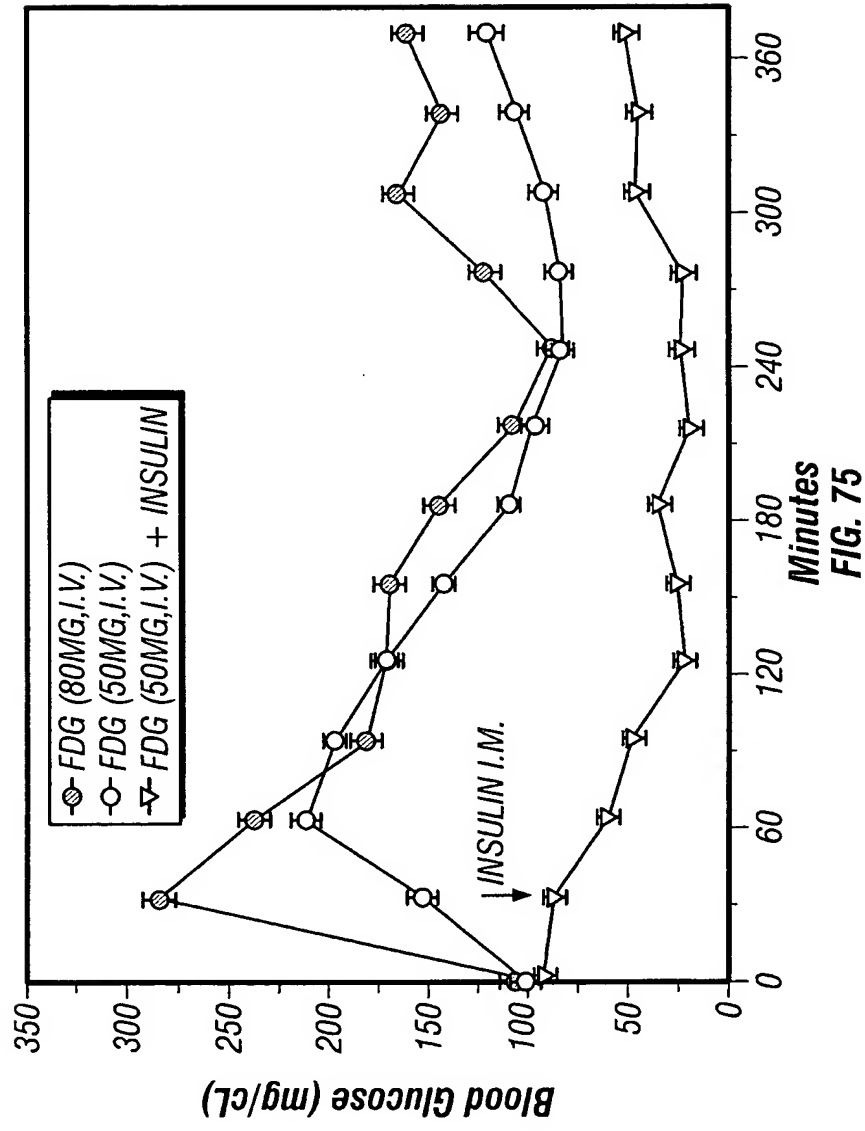
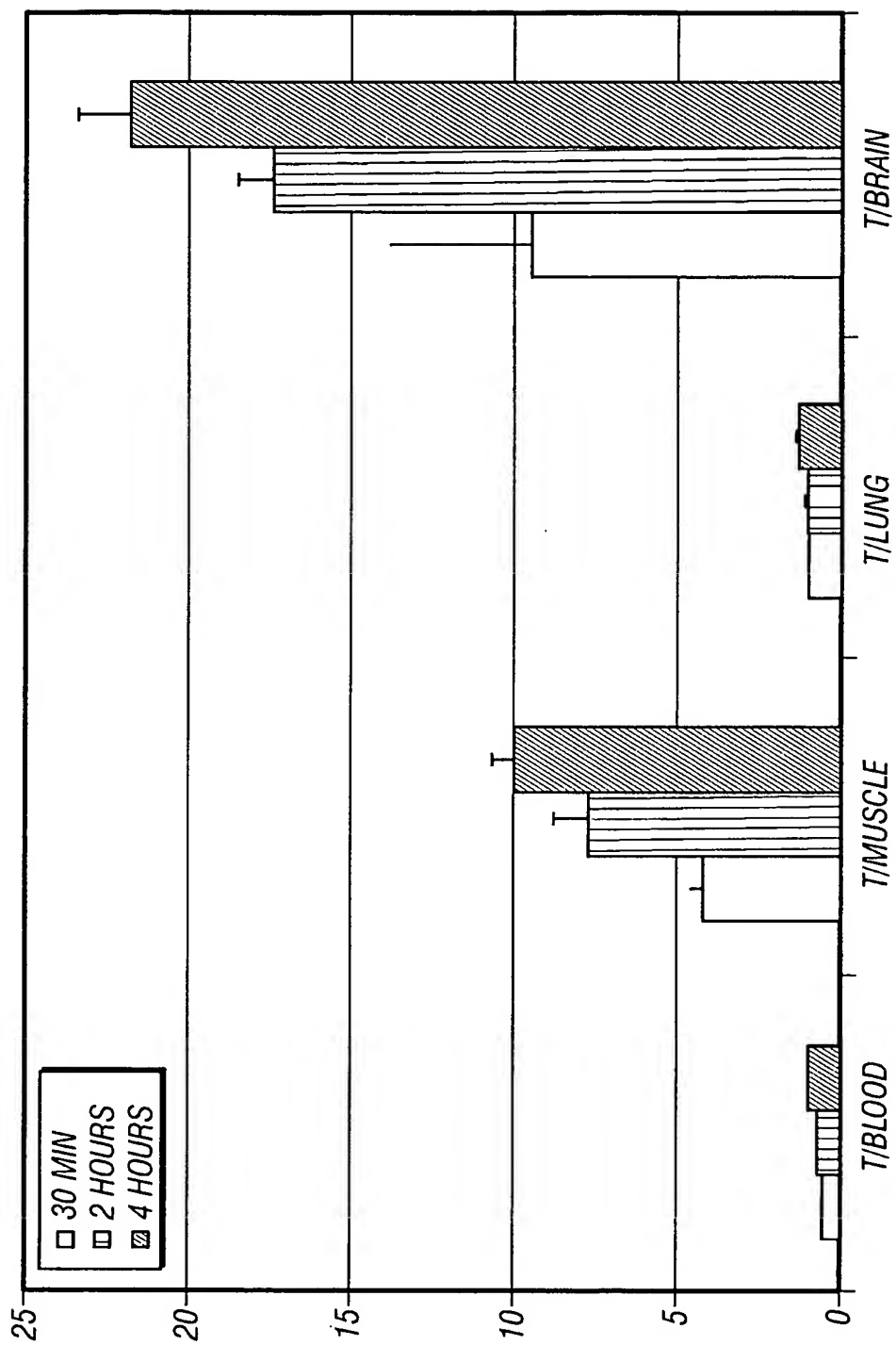


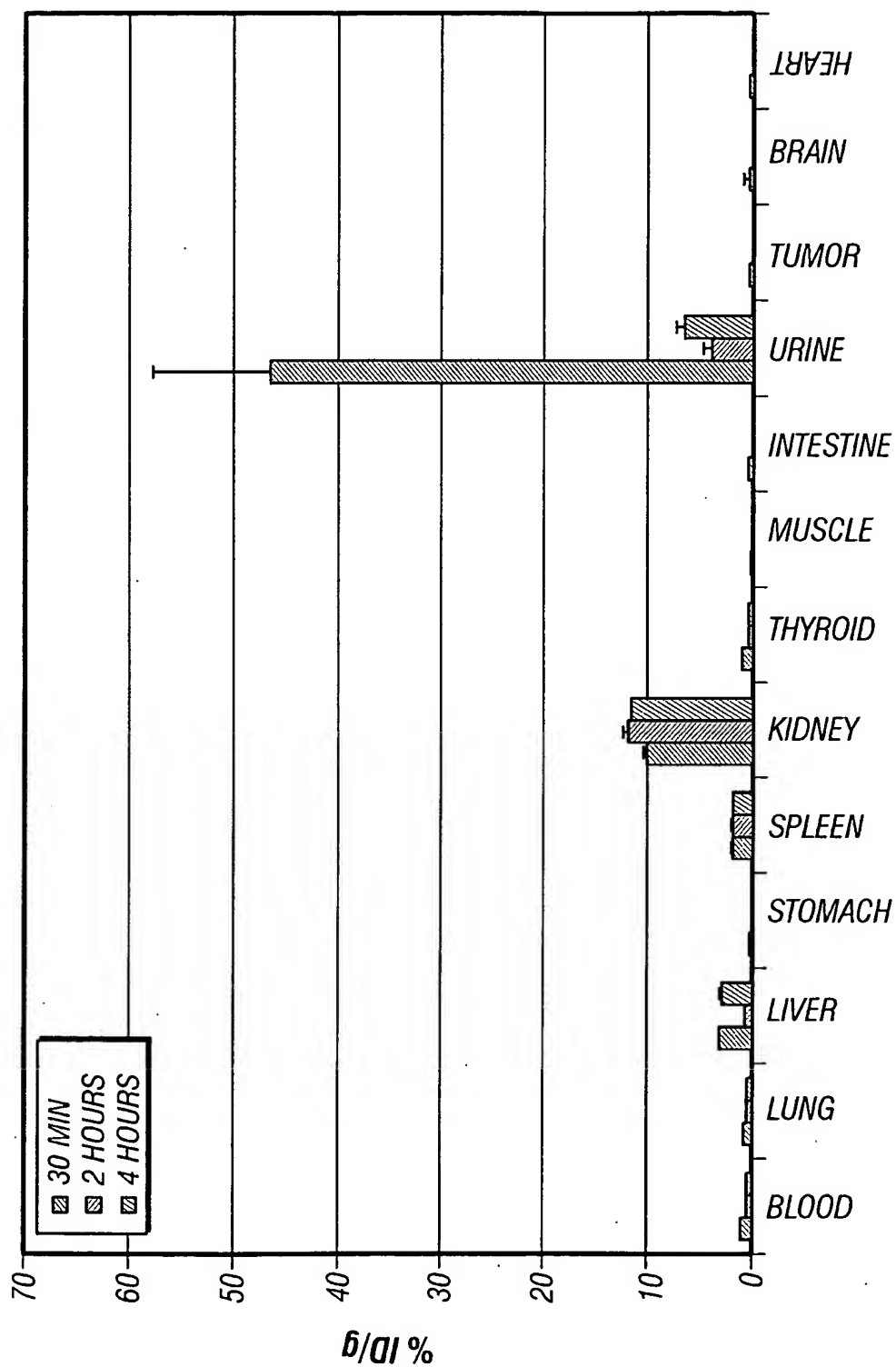
FIG. 74





T = Tumor

FIG. 76



ORGANS
FIG. 77

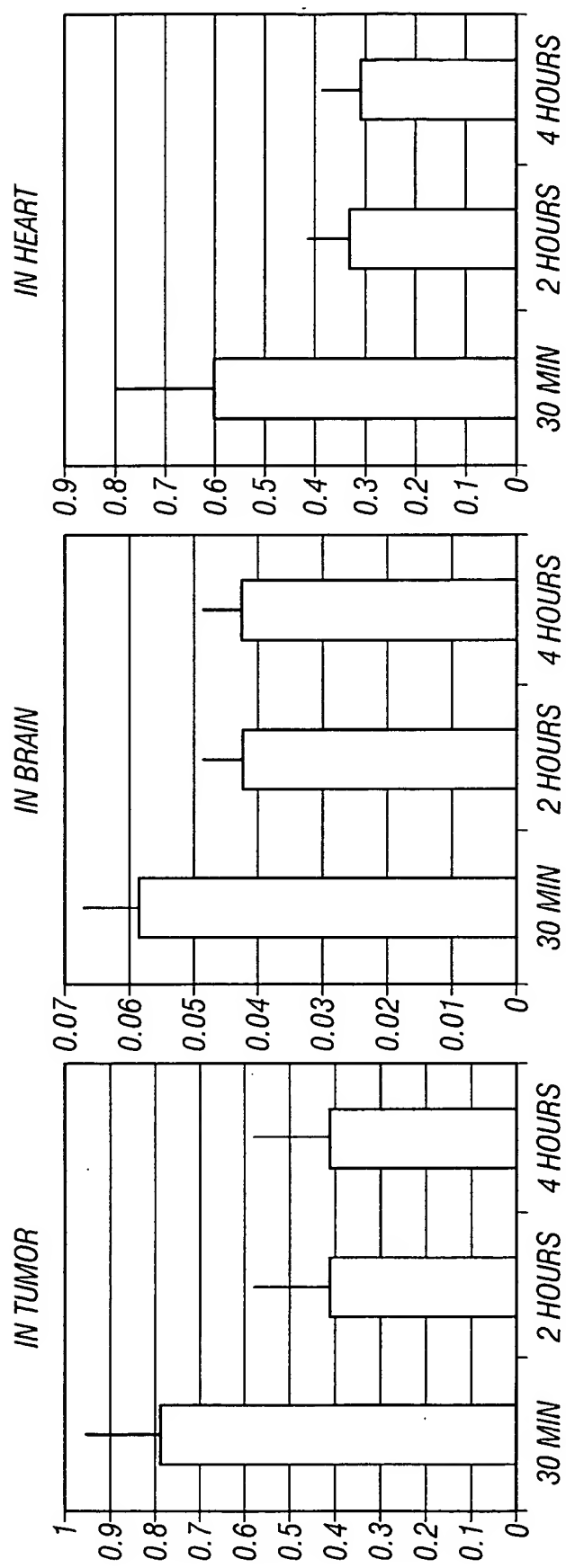


FIG. 78

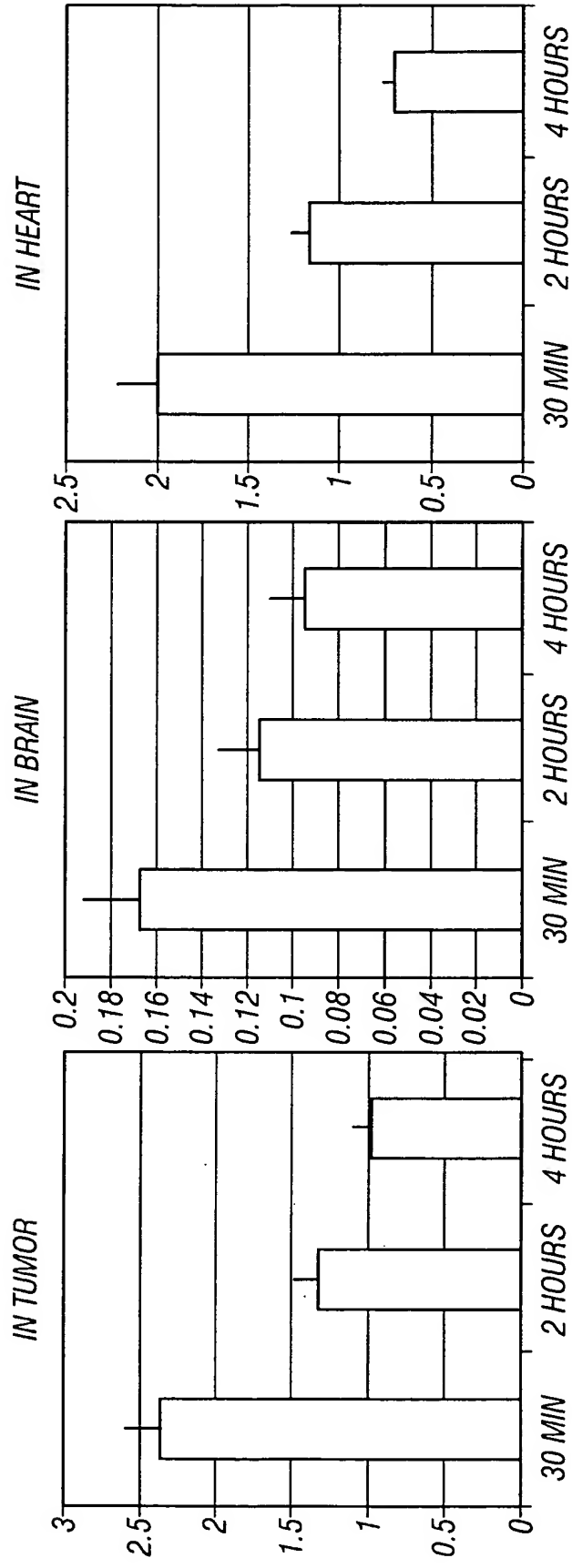


FIG. 79

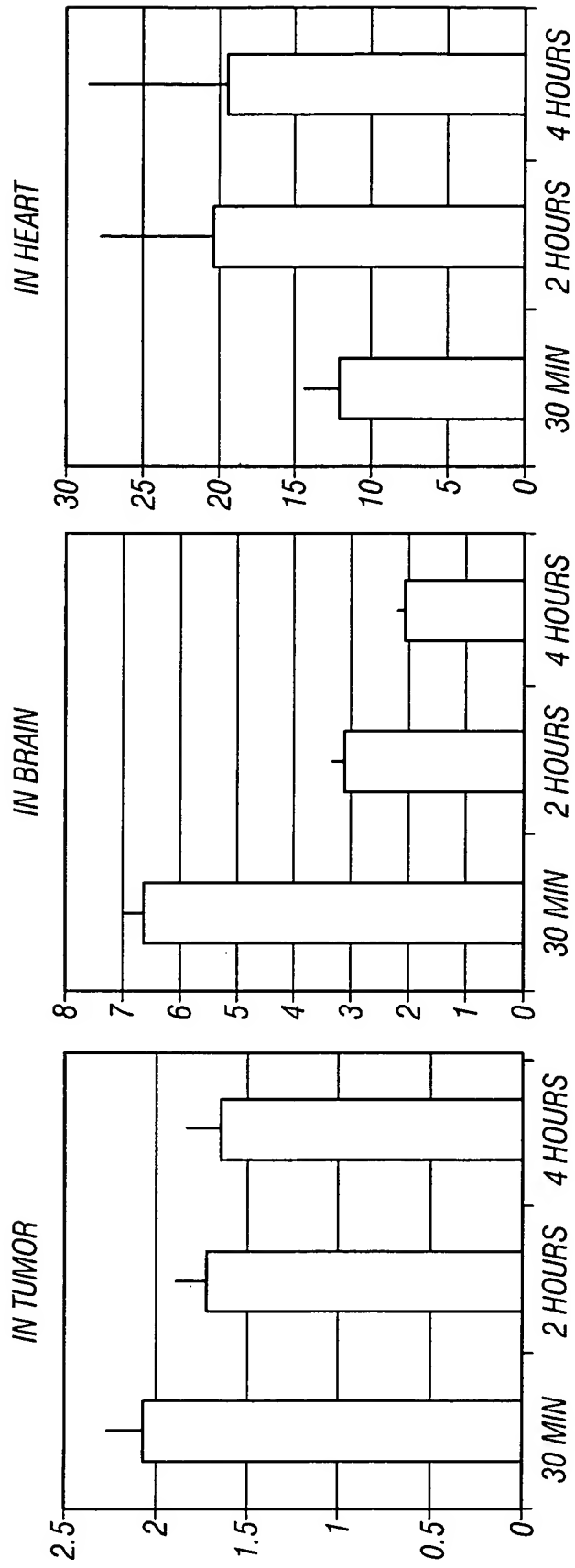


FIG. 80

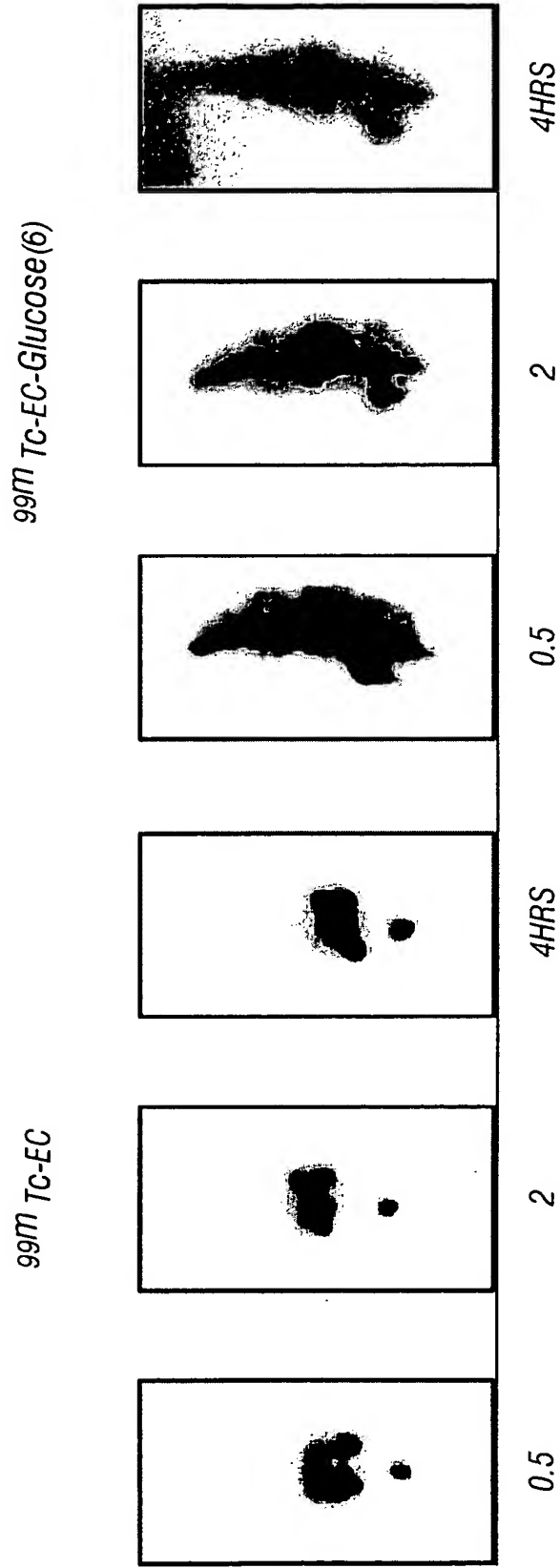
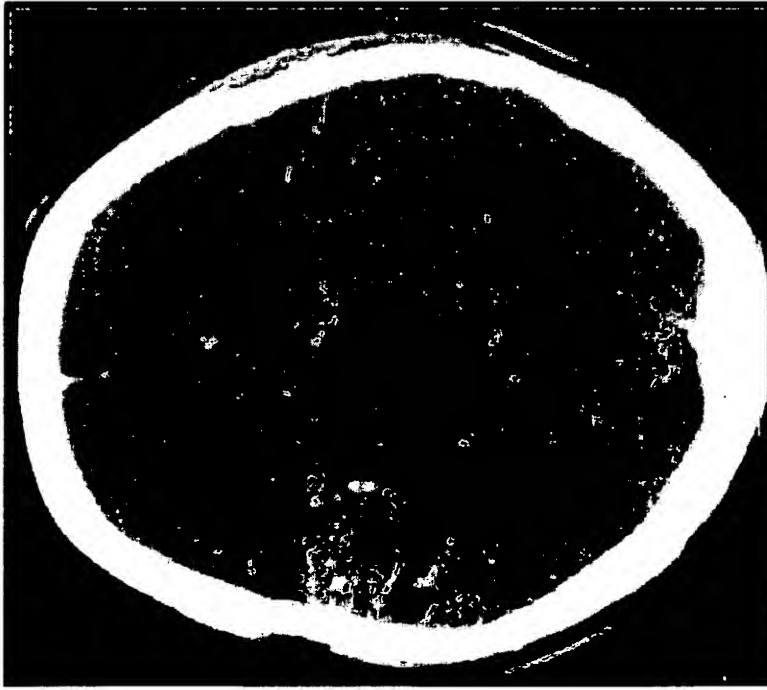
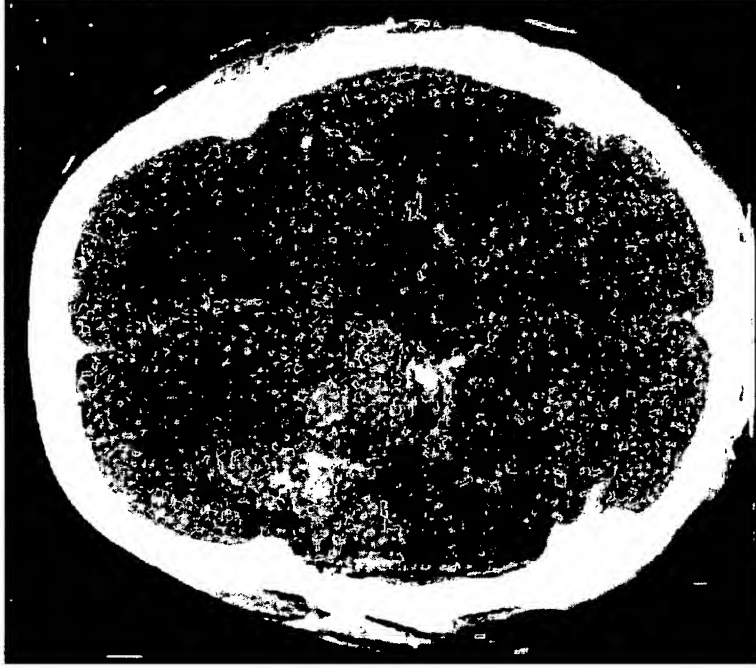


FIG. 81



PRE OP



POST OP

FIG. 82A

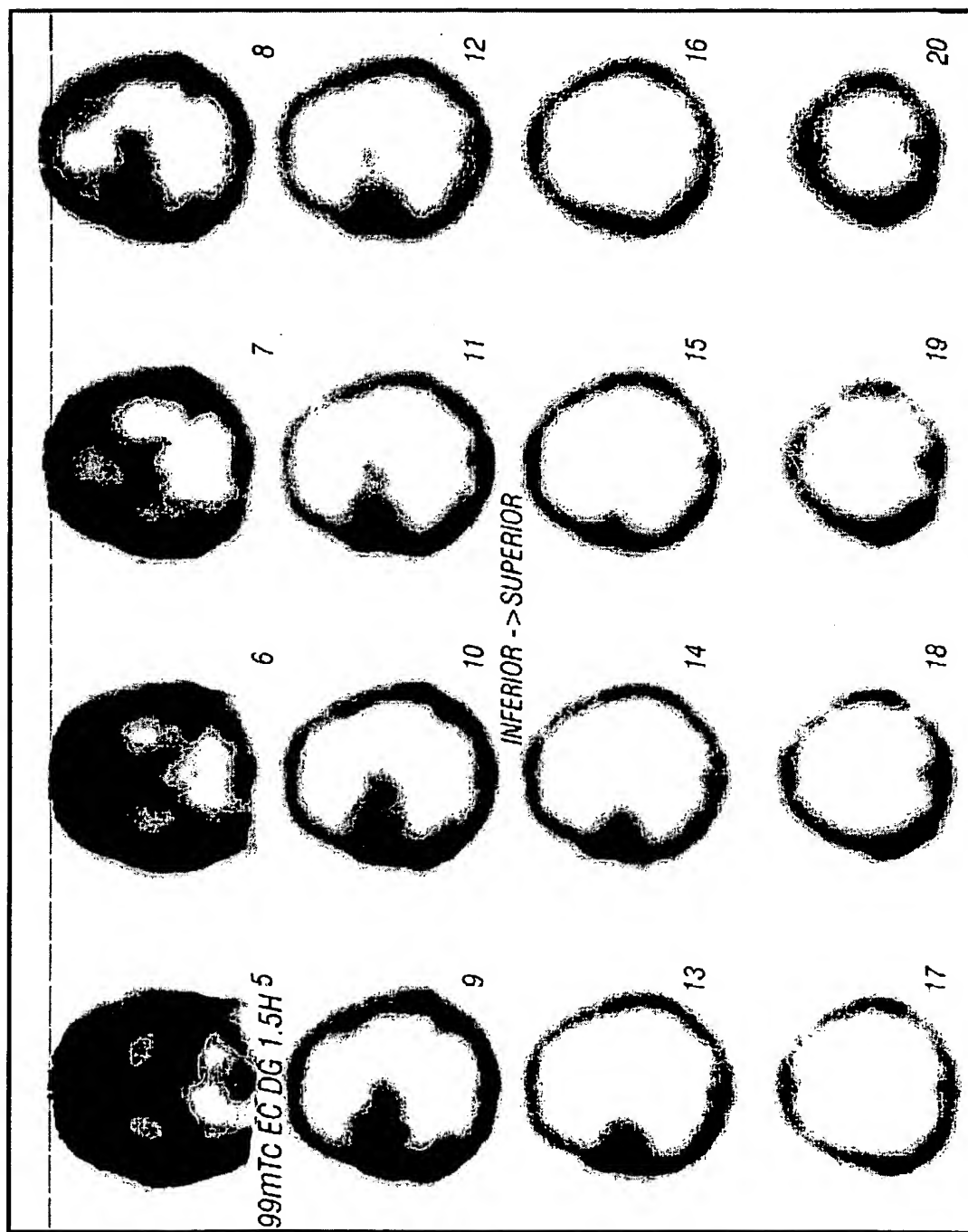
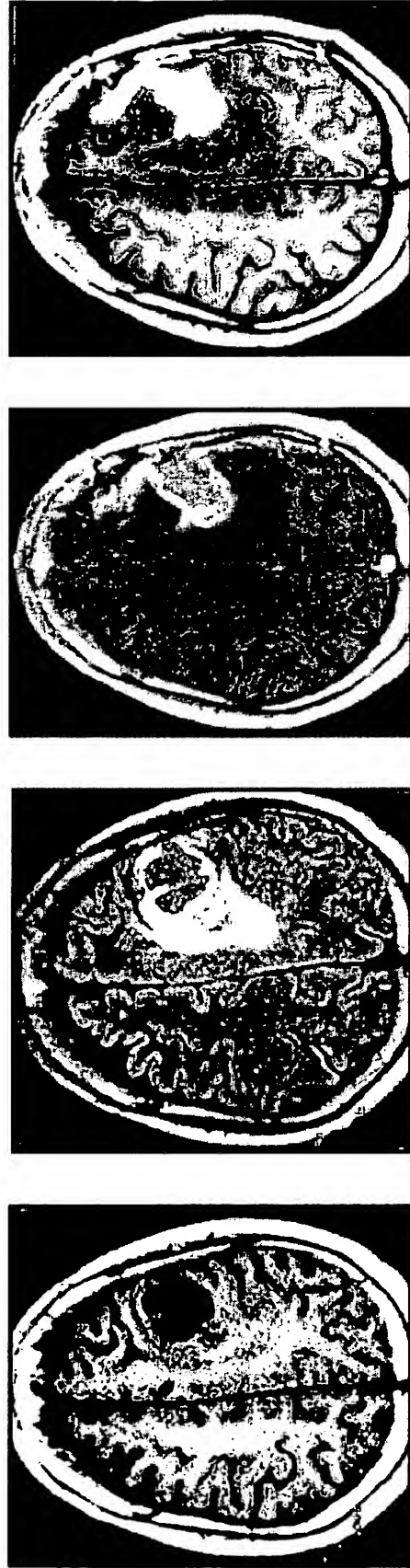


FIG. 82B



PRE-OP

POST-OP

FIG. 83A

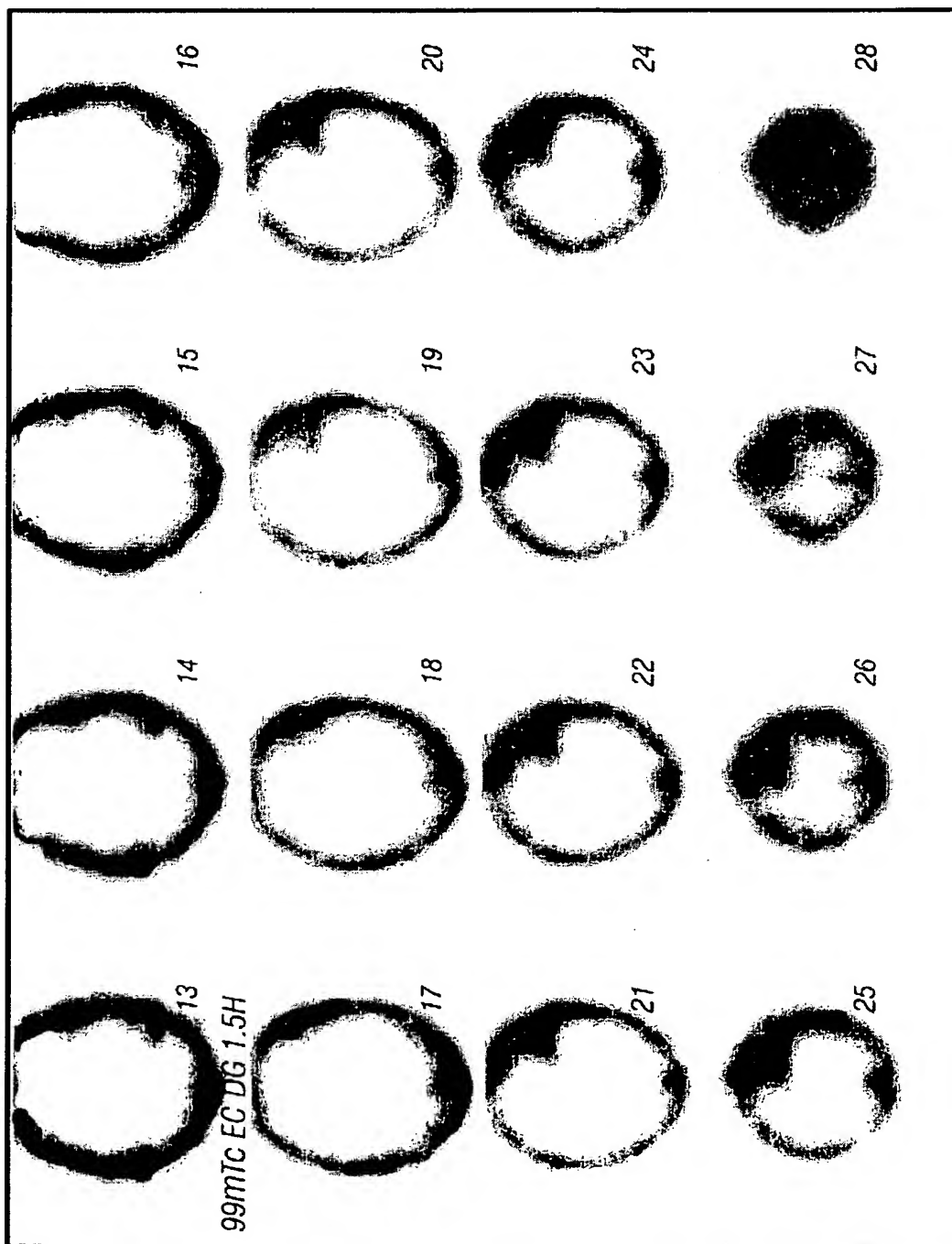


FIG. 83B



FIG. 84A



FIG. 85A

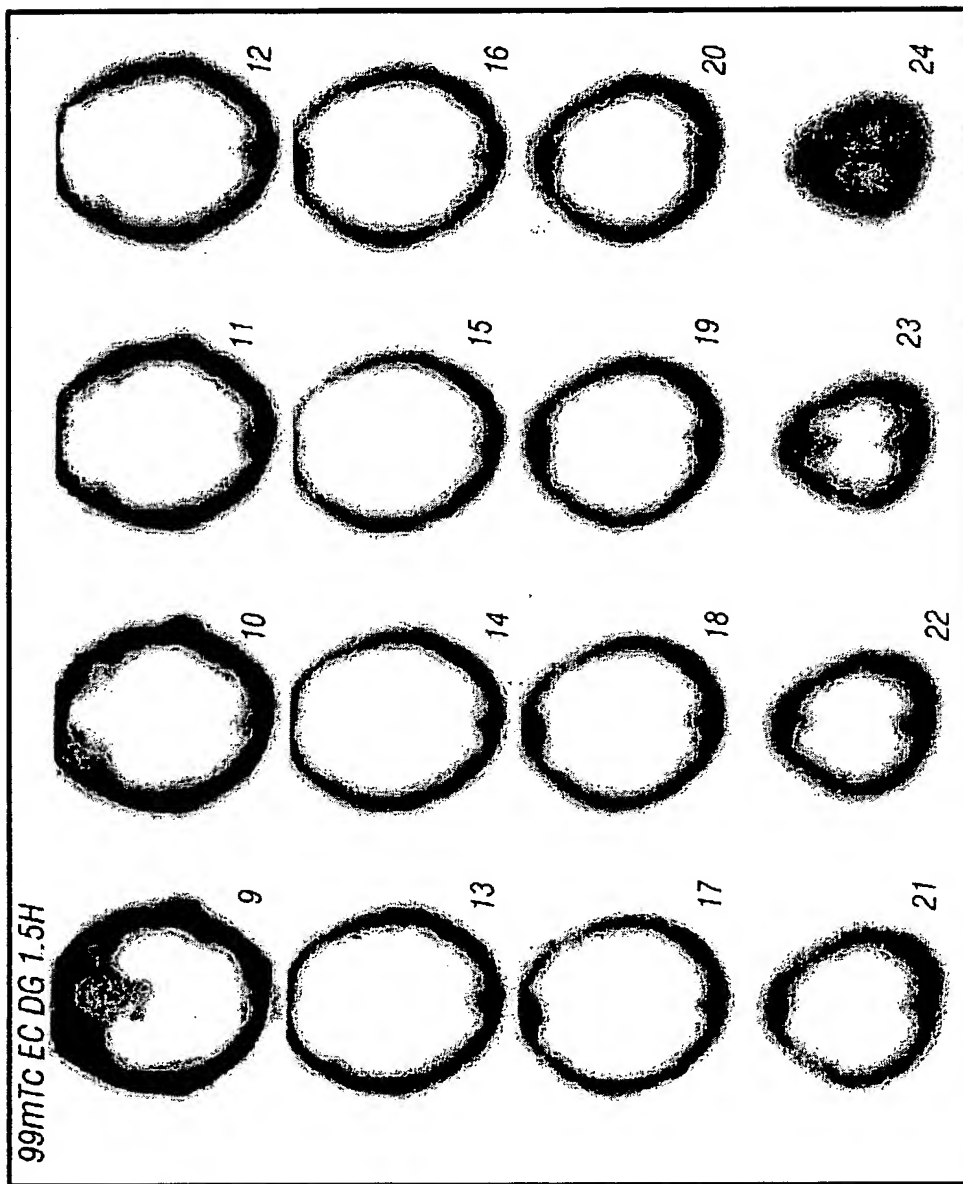


FIG. 84B

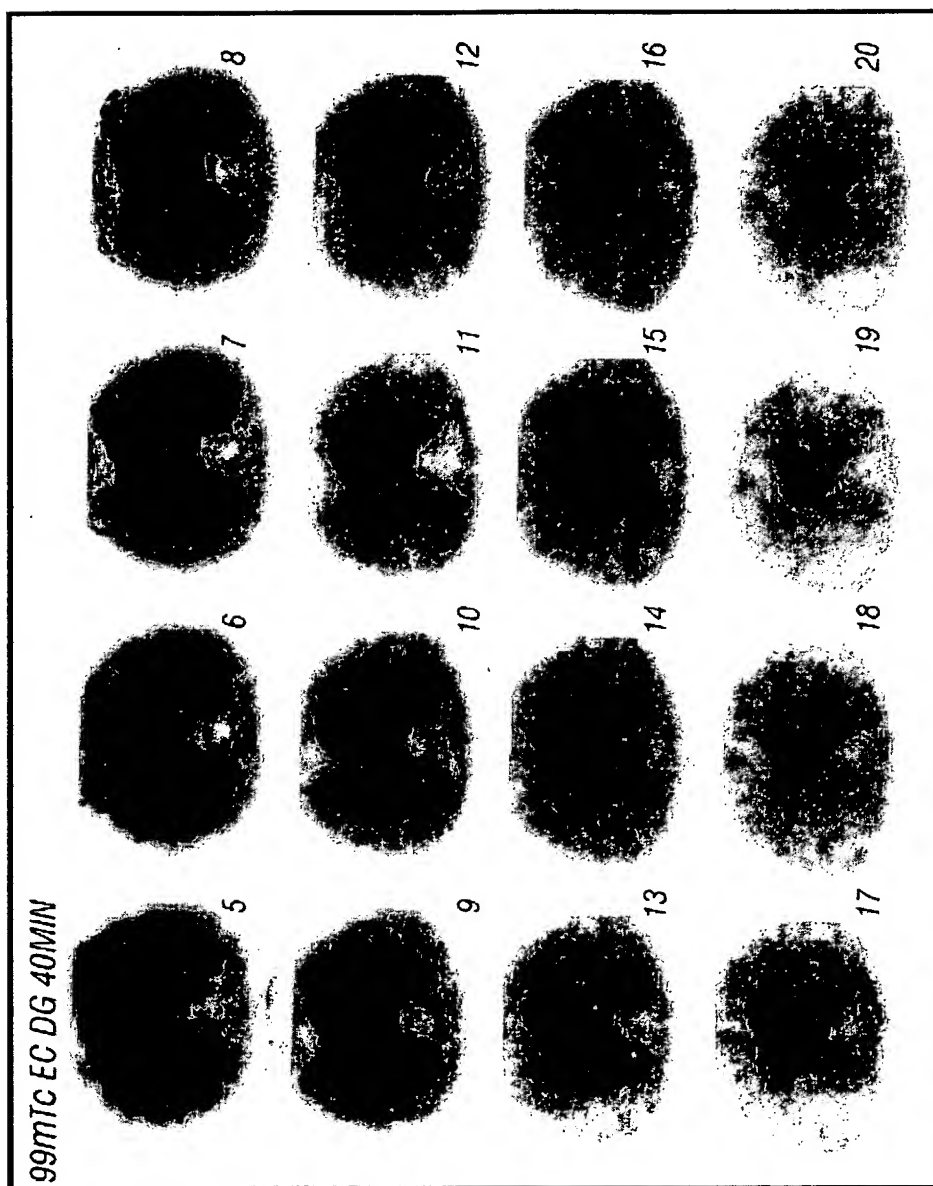
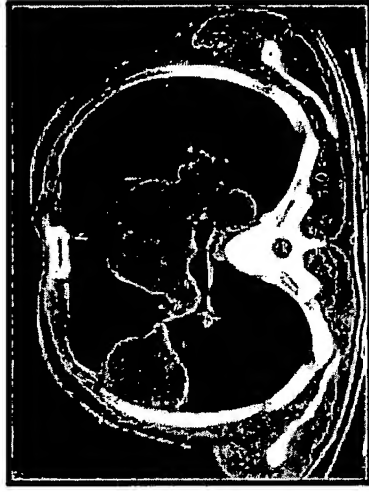


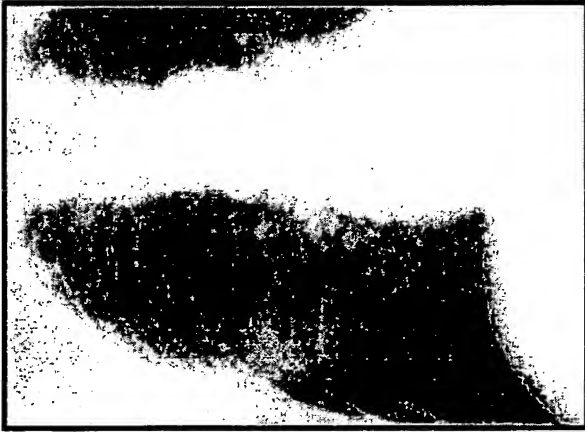
FIG. 85B



PRE RTX



POST RTX



POST RTX



PRE RTX

FIG. 86A

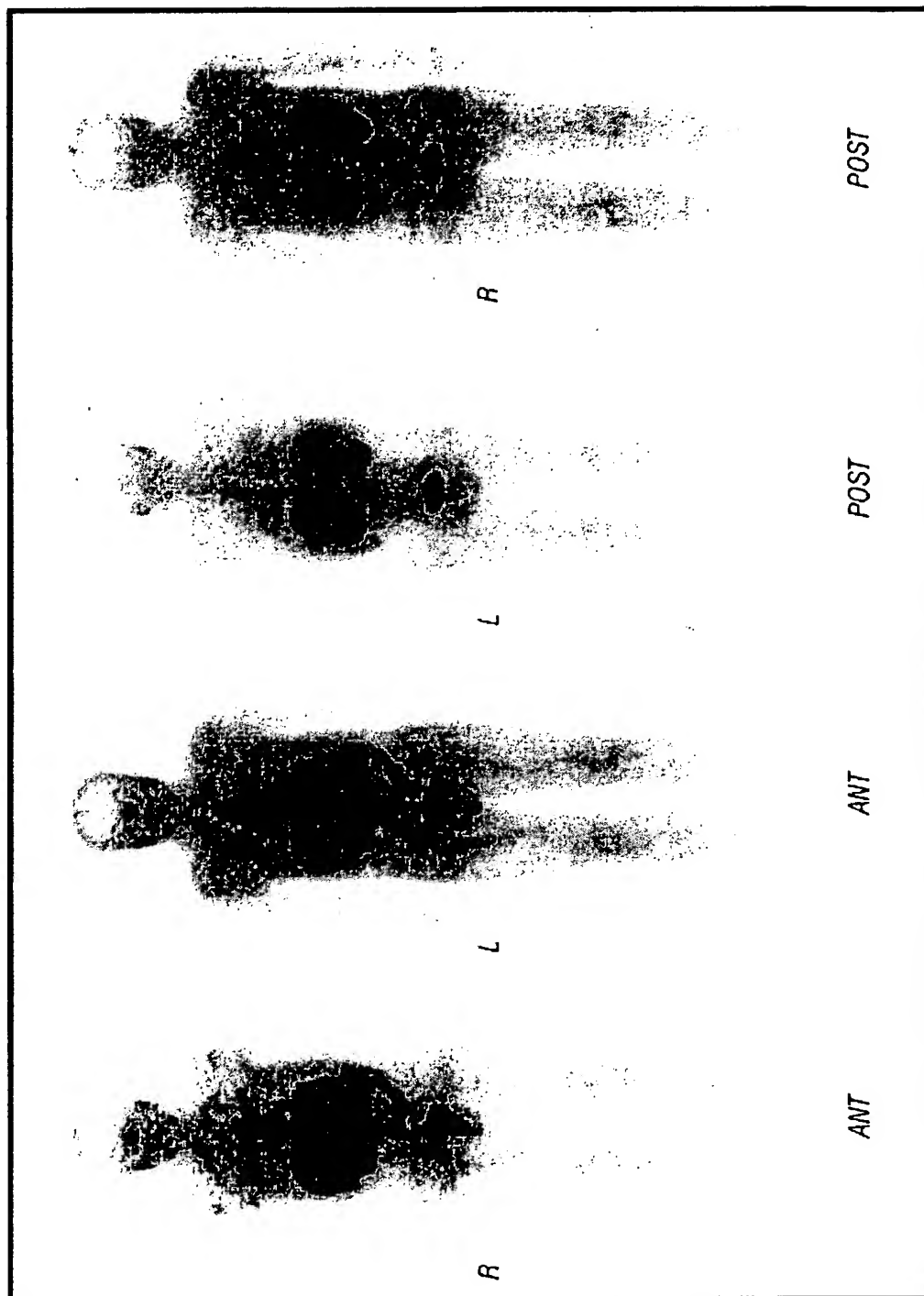


FIG. 86B

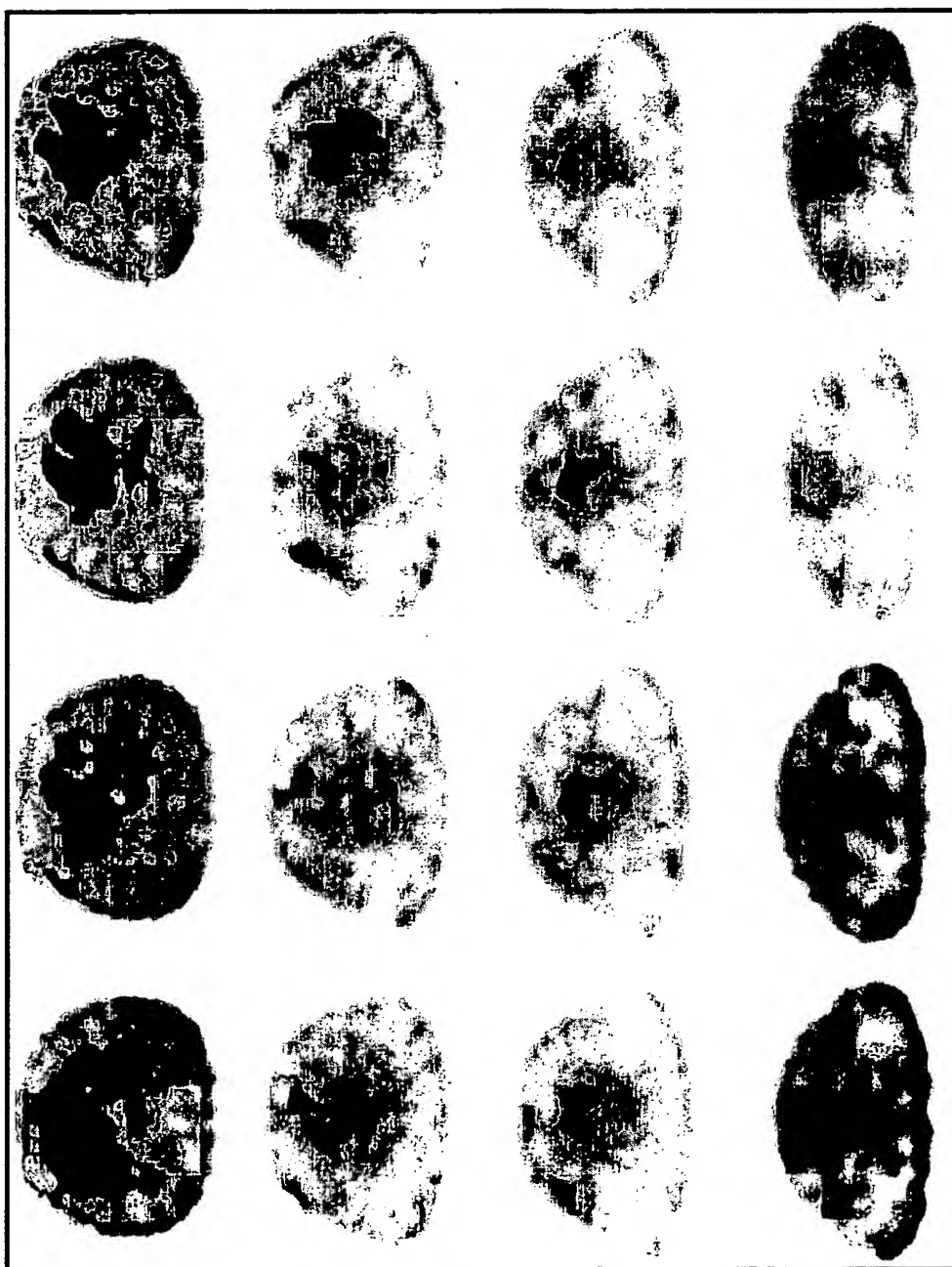


FIG. 86C

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